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Fats and Oils Situation

Economics, Statistics,
and Cooperatives Service

U.S. Department of
Agriculture

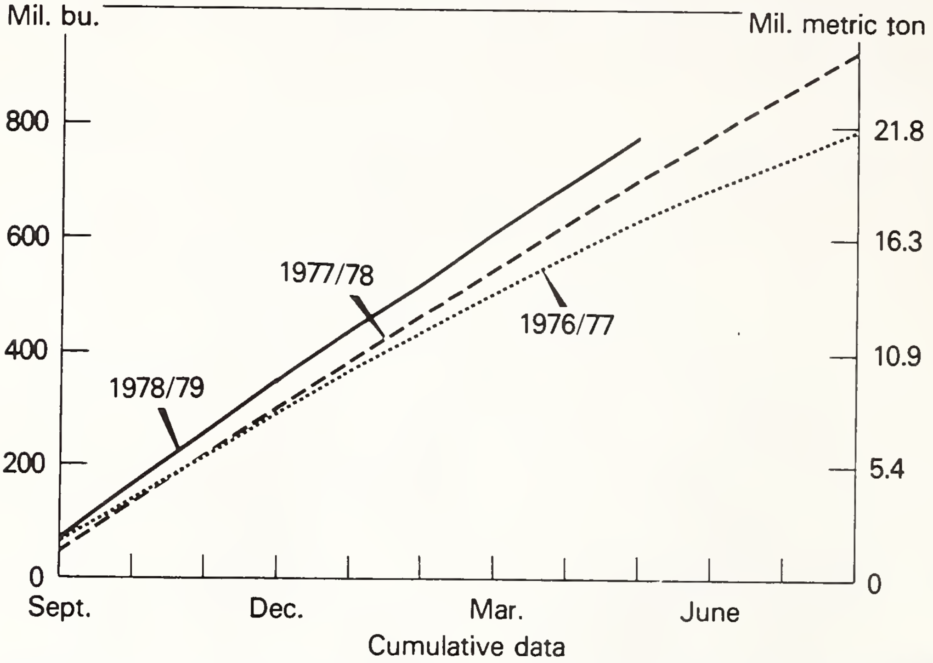
Approved by the
World Food and
Agricultural Outlook
and Situation Board

FOS-296

JULY
1979

AUG 8 '79

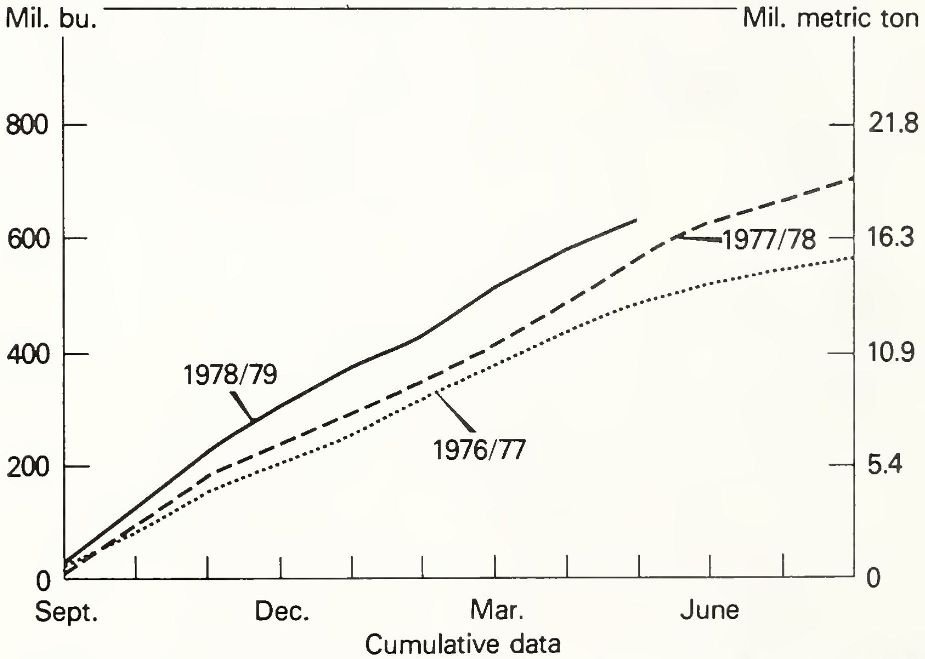
Monthly U.S. Soybean Crushings



USDA

Neg. ESCS 17-79 (7)

Monthly U.S. Soybean Exports



USDA

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Approved by the World Food and Agricultural
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SUMMARY

Soybean prices have risen steadily this marketing year. The monthly average at Chicago (No. 1 yellow) advanced from about $6.75 a bushel last fall to about $7.70 in June. Despite a record U.S. soybean crop, prices have remained steady due to a record world demand and smaller-than-expected oilseed production in some parts of the world, which have reduced prospects for this year's carryover stocks. U.S. carryover stocks in September will be down to about 150 million bushels, compared with 161 million last September. Nevertheless, this volume should be adequate to meet market requirements until the new-crop soybeans are available in volume in October.

In view of the modest carryover prospects, this summer's weather will have an especially significant impact on the 1979 U.S. soybean crop and prices. Argentina and Brazil are virtually sold out of soybeans, so the United States will be the only major supplier until next spring. Partly due to this factor, demand for soybeans and soybean products is expected to continue strong well into the 1979/80 marketing year.

Farmers planted an estimated 71.7 million acres to soybeans this year, up 12 percent from the record 64 million in 1978. Relatively high soybean prices and low participation in the feed grain set-aside program helped boost soybean plantings. This year, about 6 percent of the soybean acreage will be planted following the harvest of another crop, primarily wheat. Last year, 5 percent of the soybean acreage was double-cropped.

The total acreage planted to the five major oilseed crops in 1979 is 93.5 million acres, up 13 percent from 1978. About 70.6 million acres of soybeans are expected to be harvested. This will be the first year that the harvested acreage of soybeans has exceeded that of corn for grain, which is estimated at 69.5 million acres.

Because of the sharp expansion in plantings, the 1979 soybean crop is likely to set a new record high. However, given uncertainties about yields this early in the season, a range of 1.9 to 2.1 billion bushels has been projected, compared with 1.84 billion in 1978.

The *Fats and Oils Situation* is published in
February, May, July, and October

Modest increases are expected in U.S. soybean crush and exports during 1979/80. Total use (including planting seed) will probably total 1.95 billion bushels, compared with 1.9 billion for 1978/79.

As of June 1, U.S. soybean stocks totaled 523 million bushels, up 3 percent from June 1978. Nearly half of these stocks were on the farm. Soybean crushings and exports during June-August are expected to drop sharply from September-May rates. For all of 1978/79, soybean crushings are estimated at 1,020 million bushels (up 10 percent from 1977/78) and soybean exports at around 770 million bushels (up about 10 percent).

The 1979 sunflowerseed acreage will be nearly double that of last year. It is estimated at 5.3 million acres (four States), compared with 2.8 million in 1978. Depending on weather and yields, the U.S. crop is likely to total 7 billion pounds or more, compared with about 4 billion last year. While the U.S. crush of sunflowerseed will continue to expand in 1979/80 because of increased demand for use in cooking oil and margarine products, about three-fourths of the crop will likely be exported as seed.

With the cotton acreage increasing 4 percent this year and yields expected to recover substantially from last year's low levels, the 1979 cottonseed crop should be larger than the 4.3 million short tons produced in 1978. Cotton plantings increased in the Southwest, Far West, and Southeast, more than offsetting declines in the Delta States.

The flaxseed acreage, at 1.06 million acres, is up 19 percent from last year but down 25 percent from 1977. Higher producer prices for flaxseed in 1978/79 undoubtedly prompted this acreage increase. Depending on yields, a U.S. crop of 9 to 12 million bushels is probable.

Peanut growers planted about 1.55 million acres, virtually the same as in 1978. Peanut plantings are under acreage controls, and the national allotment has been held at the legal minimum of 1.6 million acres since 1956. Depending on weather conditions, peanut production is forecast at 1.8 to 2.1 million tons, compared with about 2.0 million in 1978.

U.S. wholesale prices of fats and oils have risen since last fall, due to the strong demand for and reduced availability of some commodities—such as palm and cottonseed oils. Soybean oil, the major U.S. edible oil, advanced from 25 cents a pound last November to 28 cents in June.

Domestic use of food fats and oils is running near the 1977/78 level, while nonfood uses are up slightly. Rising prices for petrochemical feedstocks used in synthetic products are helping to boost the demand for natural fats and oils in some industrial products.

* * * * *

U.S. Soybean Prices

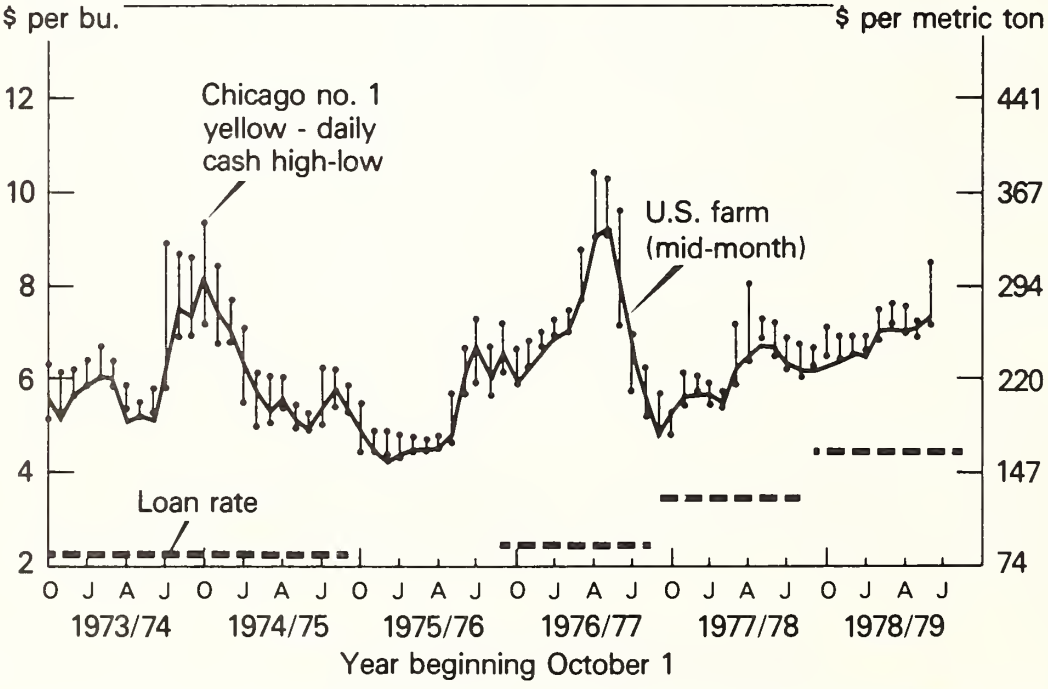
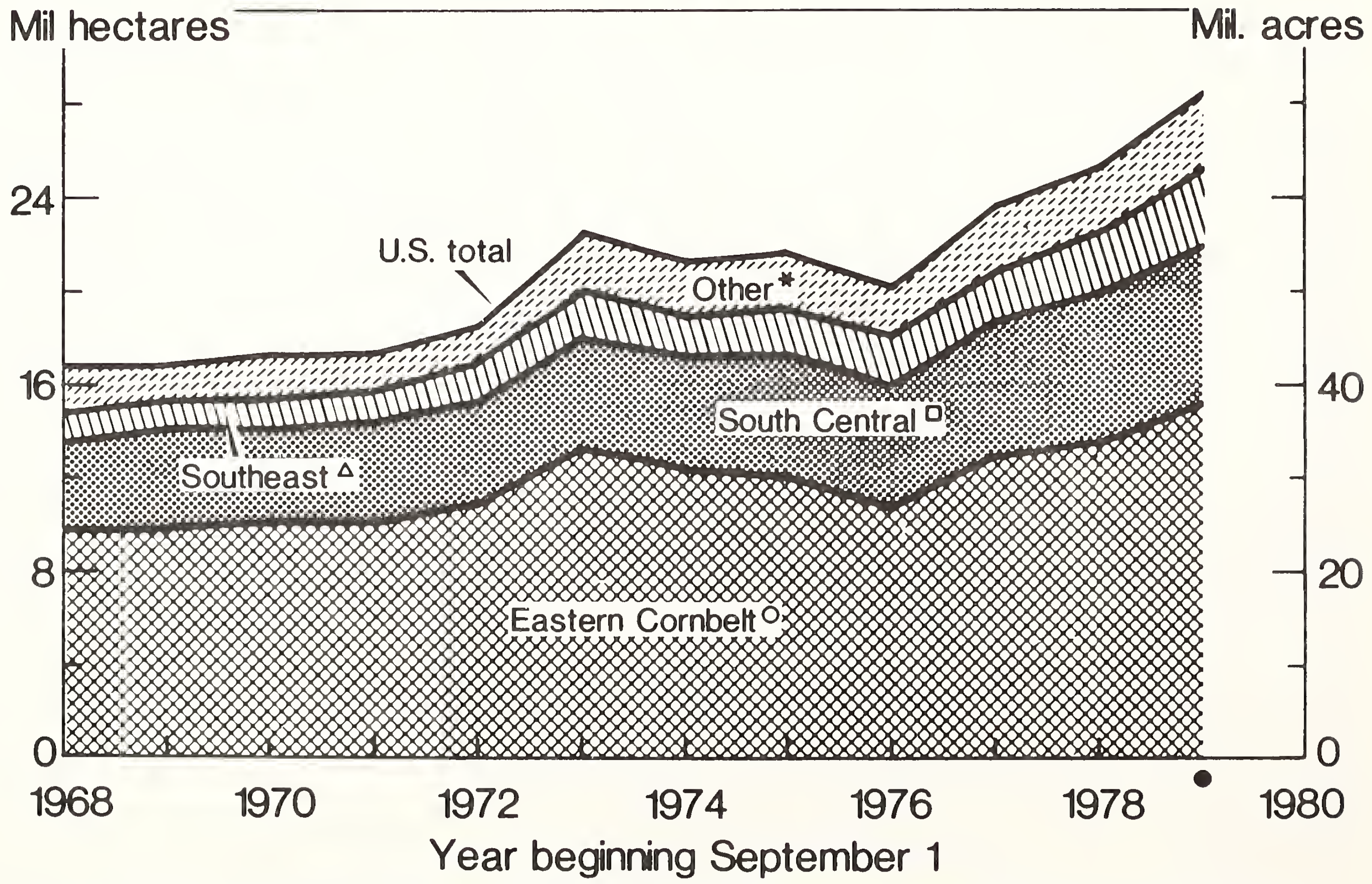


TABLE 1--OILSEEDS: ACREAGE AND PRODUCTION, 1955-79

YEAR	SOYBEAN 1/				COTTONSEED 2/				FLAXSEED				PEANUTS 1/				SUNFLOWERSEED 3/				TOTAL 5 OIL-SEEDS
	ACREAGE		PRODUCTION		ACREAGE		PRODUCTION		ACREAGE		PRODUCTION		ACREAGE		PRODUCTION		ACREAGE		PRODUCTION		ACRES
	PLANTED	HARVESTED	PER ACRE HARVESTED	TOTAL	PLANTED	HARVESTED	PER ACRE HARVESTED	TOTAL	PLANTED	HARVESTED	PER ACRE HARVESTED	TOTAL	PLANTED	HARVESTED	PER ACRE HARVESTED	TOTAL	PLANTED	HARVESTED	PER ACRE HARVESTED	TOTAL	PLANTED
	1000 ACRES		BUSHELS	MIL. BUSHELS	1000 ACRES		LBS.	1000 TONS	1000 ACRES		BUSHELS	MIL. BUSHELS	1000 ACRES		LBS.	MIL. LBS.	1000 ACRES		LBS.	1000 LBS.	MIL. ACRES
1955	19674	18620	20.1	373.7	17991	16928	714	6043	5148	4914	8.2	40.4	1882	1669	928	1548	---	---	---	---	44.7
1956	21700	20620	21.8	449.3	17077	15615	693	5407	5786	5473	8.6	47.0	1834	1384	1161	1607	---	---	---	---	46.4
1957	21938	20857	23.2	483.4	14310	13558	680	4609	5481	4793	5.2	25.1	1746	1481	969	1435	---	---	---	---	43.5
1958	25108	23993	24.2	580.2	12379	11849	810	4798	3862	3679	10.2	37.4	1702	1516	1197	1814	---	---	---	---	43.1
1959	23349	22631	23.5	532.9	15833	15117	793	5991	3268	2932	7.2	21.2	1576	1435	1061	1523	---	---	---	---	44.0
1960	24440	23655	23.5	555.1	16080	15309	769	5886	3437	3342	9.1	30.4	1526	1395	1232	1718	---	---	---	---	45.5
1961	27787	27003	25.1	678.6	16588	15634	765	5978	2975	2514	8.8	22.2	1524	1398	1185	1657	---	---	---	---	48.9
1962	28418	27608	24.2	669.2	16293	15569	789	6139	3102	2808	11.5	32.2	1507	1400	1228	1719	---	---	---	---	49.3
1963	29462	28615	24.4	699.2	14843	14212	871	6192	3379	3172	9.8	31.0	1498	1396	1391	1942	---	---	---	---	49.2
1964	31721	30793	22.8	700.9	14836	14055	888	6237	2965	2825	8.6	24.4	1487	1397	1502	2099	---	---	---	---	51.0
1965	35227	34449	24.5	845.6	14152	13613	894	6087	2868	2775	12.8	35.4	1520	1438	1661	2389	---	---	---	---	53.8
1966	37294	36546	25.4	928.5	10349	9553	829	3960	2679	2576	9.1	23.4	1490	1421	1700	2415	---	---	---	---	51.8
1967	40819	39805	24.5	976.4	9450	7997	803	3210	2061	1975	10.1	20.0	1474	1404	1765	2477	---	---	---	---	53.8
1968	42265	41391	26.7	1107.0	10913	10159	913	4640	2177	2092	12.9	27.0	1496	1438	1770	2546	---	---	---	---	56.9
1969	42534	41337	27.4	1133.1	11882	11051	736	4068	2661	2605	13.4	34.9	1512	1456	1742	2535	---	---	---	---	58.6
1970	43082	42249	26.7	1127.1	11945	11155	729	4068	2950	2836	10.4	29.4	1518	1469	2030	2983	---	---	---	---	59.5
1971	43476	42705	27.5	1176.1	12355	11471	739	4240	1627	1545	11.8	18.2	1529	1454	2066	3005	---	---	---	---	59.0
1972	46866	45683	27.8	1270.6	14001	12984	831	5393	1189	1149	12.1	13.9	1533	1486	2203	3274	---	---	---	---	63.6
1973	56549	55667	27.8	1547.5	12480	11970	838	5016	1749	1700	9.7	16.4	1530	1496	2323	3473	---	---	---	---	72.3
1974	52479	51341	23.7	1216.3	13679	12547	719	4510	1742	1659	8.5	14.1	1520	1472	2491	3667	---	---	---	---	69.4
1975	54550	53579	28.9	1547.4	9493	8796	732	3218	1621	1511	10.3	15.6	1532	1504	2565	3857	787	709	1109	786	68.0
1976	50226	49358	26.1	1287.6	11656	10914	760	4122	1076	985	7.9	7.8	1549	1522	2465	3750	834	810	1058	857	65.3
1977	58760	57612	30.6	1761.8	13694	13275	755	5521	1410	1314	11.4	15.1	1545	1516	2457	3726	2321	2205	1252	2760	77.7
1978*	64044	63003	29.2	1842.6	13360	12371	832	4189	890	860	12.6	10.9	1544	1512	2639	3988	2840	2798	1377	3853	82.7
1979*	71654	70609			13913		705		1059	997			1549	1526			5305	5209			93.5

1/ SOYBEANS AND PEANUTS PLANTED ACREAGE GROWN ALONE FOR ALL, PURPOSES. 2/ COTTON ACREAGE AND COTTONSEED PRODUCTION.
3/ FOUR STATES (MINNESOTA, NORTH DAKOTA, SOUTH DAKOTA AND TEXAS).
* PRELIMINARY.
* 1979 BASED ON JUNE 1 ACREAGE REPORT

U.S. Soybean Acreage Planted



○ Illinois, Indiana, Iowa, Missouri, Minnesota and Ohio. ◻ Arkansas, Louisiana, Mississippi, Kentucky and Tennessee.
△ North Carolina, South Carolina, Georgia and Alabama. * Western cornbelt states and all other.
● Based on June acreage.

USDA

Neg. ESCS 5921-79 (7)

FATS AND OILS SITUATION

SITUATION AND OUTLOOK

SOYBEANS

1979 Acreage Up 12 Percent

The acreage planted to soybeans is estimated at a record 71.7 million acres, 7.6 million acres more than in 1978. This estimate is up 4 percent from the April 1979 prediction. Acreage increases are indicated for all the major soybean-producing regions. Factors helping to boost acreage this year include the continued high soybean prices relative to corn and other competing crops, low participation in the government's feed grain set-aside program, and increased double-cropping of soybeans. The North Central States account for 43.4 million acres, or 60 percent of the U.S. total—up 12 percent from last year.

About 6 percent of the 1979 soybean acreage will be planted following another crop. This compares with 5 percent in 1978, 8 percent in 1977, 10 percent in 1976, and 7 percent in 1975 and 1974. Double-cropping is indicated to be 3 percent in the North Central States and 11 percent in other States. Soybean yields from double-cropped acreage generally are lower, but total net revenue from two crops is increased.

The acreage of soybeans harvested is expected to total 70.6 million acres, up 12 percent from 1978. This will be the first year the harvested soybean acreage has exceeded that of any other major U.S. crop. The harvested acreage of all corn is estimated at 69.5 million acres, 62.3 million acres for all wheat.

Depending on weather conditions and yields, the 1979 soybean crop probably will range from 1.9 to 2.1 billion bushels, compared with 1.84 billion in 1978. The Crop Reporting Board's first 1979 production forecast will appear in the August issue of *Crop Production*, to be released August 10. Modest increases in soybean crush and exports are expected during the 1979/80 marketing year. Total use (including planting seed) will probably total 1.95 billion bushels, compared with 1.9 billion for 1978/79.

In 1979, the total acreage planted to the five major oilseeds—cotton, flaxseed, peanuts, soybeans, and sunflowers—is estimated at 93.5 million acres (37.8 million hectares), up 13 percent from 1978.

Continuing Strong Demand

The demand for U.S. soybeans is at a record pace this season and likely will result in a carryover stock of around 150 million bushels, down from the 161 million on hand September 1, 1978. This relatively low carryover represents only about 8 percent of the total soybean use in 1978/79 and is less than the average requirement for one month.

Soybean prices received by farmers have advanced from $6.19 a bushel last September to $7.38 in June, compared with $6.69 in June 1978. Grower prices for soybeans will probably average about $7 a bushel this summer, well above the $6.30 average for last summer.

Soybean crushings are estimated at 1,020 million bushels, up about 10 percent from 1977/78. Soybeans crushed through May of this marketing year totaled 778 million bushels (averaging 86.5 million monthly), compared with 710 million bushels (79 million monthly average) through May 1978. As soybean supplies tighten this summer, the crush rate will decline more sharply than normal. Record demand for soybean oil and meal has stimulated the record-high crush.

U.S. soybean exports are now forecast at around 770 million bushels compared with 700 million in 1977/78. Soybeans inspected for export from September 1 through July 13 totaled 689 million bushels, compared with 635 million a year earlier. The gain this season mainly reflects increased U.S. shipments to Western Europe, the U.S.S.R., Japan, and Taiwan. The rate of U.S. exports has slowed recently because of increased competition from South American countries and some slackening in foreign demand for U.S. soybeans.

OILSEEDS COST OF PRODUCTION

The USDA conducts annual cost of production surveys for selected U.S. crops as required by Public Law 93-86, the Agriculture and Consumer Protection Act of 1973. The fourth annual report was issued June 15, 1979, by the U.S. Senate Committee on Agriculture, Nutrition, and Forestry. Average cost data for soybeans, peanuts, and flax-

TABLE 2.--SOYBEANS: ACREAGE PLANTED, HARVESTED, AND PRODUCTION, 1976-79

STATE AND AREA	ACREAGE PLANTED				ACREAGE HARVESTED				PRODUCTION			
	1976	1977	1978 1/	1979 2/	1976	1977	1978 1/	1979	1976	1977	1978 1/	1979
	1,000 ACRES								MILLION BUSHELS			
NORTH CAROLINA	1,220	1,450	1,620	1,900	1,120	1,320	1,550	1,850	24.6	29.0	37.2	
SOUTH CAROLINA	1,230	1,350	1,510	1,700	1,190	1,300	1,470	1,660	21.4	26.7	32.3	
GEORGIA	890	1,250	1,750	2,150	870	1,090	1,680	2,050	20.4	21.8	29.4	
ALABAMA	1,200	1,650	2,000	2,300	1,170	1,600	1,950	2,250	28.1	33.6	42.9	
TOTAL SOUTHEAST	4,450	5,700	6,880	8,050	4,350	5,310	6,650	7,810	94.5	111.1	141.8	
KENTUCKY	1,100	1,350	1,450	1,690	1,070	1,320	1,410	1,650	28.9	40.9	42.3	
TENNESSEE	1,920	2,320	2,530	2,700	1,800	2,220	2,420	2,600	40.5	52.2	56.9	
MISSISSIPPI	3,335	3,750	3,900	4,200	3,250	3,650	3,800	4,125	71.5	78.5	81.7	
ARKANSAS	4,360	4,650	4,750	5,200	4,320	4,600	4,700	5,150	82.1	105.8	112.8	
LOUISIANA	2,280	2,750	2,900	3,250	2,250	2,680	2,840	3,200	63.0	63.0	71.0	
TOTAL SOUTH CENTRAL	12,995	14,820	15,530	17,040	12,690	14,470	15,170	16,725	286.0	340.4	364.7	
OHIO	2,900	3,400	3,780	4,050	2,880	3,380	3,750	4,020	95.0	120.0	123.8	
INDIANA	3,300	3,930	4,150	4,500	3,280	3,900	4,130	4,460	111.5	144.3	140.4	
ILLINOIS	7,600	8,900	9,250	9,800	7,560	8,850	9,190	9,750	249.5	336.3	303.3	
IOWA	6,470	7,100	7,600	8,200	6,450	7,080	7,550	8,150	200.0	251.3	286.9	
MISSOURI	4,300	4,730	5,500	6,200	4,200	4,650	5,440	6,130	84.0	148.8	155.0	
MINNESOTA	3,050	3,800	4,100	5,300	3,020	3,770	4,060	5,260	66.4	133.8	142.1	
TOTAL EASTERN CORN BELT	27,620	31,860	34,380	38,050	27,390	31,630	34,120	37,770	806.4	1,134.5	1,151.5	
NORTH DAKOTA	150	180	175	210	147	175	173	205	1.8	3.5	4.8	
SOUTH DAKOTA	280	320	400	600	271	315	390	590	4.6	9.6	11.9	
NEBRASKA	995	1,150	1,270	1,630	980	1,130	1,250	1,600	19.6	40.7	42.5	
KANSAS	900	1,020	1,480	1,580	865	990	1,450	1,540	13.0	28.2	26.1	
TOTAL WESTERN CORN BELT	2,325	2,670	3,325	4,020	2,263	2,610	3,263	3,935	39.0	82.0	85.3	
ALL OTHERS 3/	2,836	3,710	3,929	4,494	2,665	3,592	3,800	4,369	61.7	93.8	99.3	
UNITED STATES	50,226	58,760	64,044	71,654	49,358	57,612	63,003	70,609	1,287.6	1,761.8	1,842.6	

1/ PRELIMINARY
2/ June 1 INDICATIONS.
3/ NEW YORK, NEW JERSEY, PENNSYLVANIA, MICHIGAN, WISCONSIN, DELAWARE, MARYLAND, VIRGINIA, FLORIDA, OKLAHOMA, AND TEXAS

TABLE 3 --SOYBEANS: SUPPLY, DISAPPEARANCE, ACREAGE AND PRICE, 1970-79

ITEM	YEAR BEGINNING SEPTEMBER										
	1970	1971	1972	1973	1974	1975	1976	1977	1978 1/	1979 2/	
	SUPPLY AND DISAPPEARANCE (MILLION BUSHELS)									ALT I	ALT II
SUPPLY:											
STOCKS, SEPTEMBER 1	229.8	98.8	72.0	59.6	171.8	185.2	244.9	102.9	161	150	150
IMPORTS	---	---	3/	3/	3/	---	---	---	—	—	—
PRODUCTION	1127.1	1176.1	1270.6	1547.5	1216.3	1547.4	1287.6	1761.8	1843	2130	1935
TOTAL SUPPLY	1356.9	1274.9	1342.6	1607.2	1387.0	1732.5	1532.5	1864.7	2004	2280	2085
DISAPPEARANCE:											
CRUSHINGS	760.1	720.5	721.8	821.3	701.3	865.1	790.2	926.7	1020	1115	1005
EXPORTS	433.8	416.8	479.4	539.1	420.7	555.1	564.1	700.5	770	750	850
SEED	48.1	51.	69.8	56.1	57.2	53.5	62.0	69.0	75	75	75
FEED	1.1	1.1	1.1	1.2	1.0	1.2					
RESIDUAL	15.1	13.5	19.3	18.7	21.7	12.7	13.3	7.5	4	10	10
TOTAL DISAPPEARANCE	1258.2	1232.9	1282.9	1436.4	1201.9	1487.6	1429.6	1703.6	1869	1950	1940
IMBALANCE									4/ 15		
STOCKS, AUGUST 31	98.8	72.	59.6	171.8	185.2	244.9	102.9	161.0	150	330	145
	ACREAGE AND YIELD (MILLION ACRES)										
ACREAGE PLANTED	43.1	43.5	46.9	56.5	52.5	54.5	50.2	58.8	64.0	71.7	71.7
ACREAGE HARVESTED FOR BEANS	42.2	42.7	45.7	55.7	51.3	53.6	49.4	57.6	63.0	70.6	70.6
PERCENT HARVESTED (%)	98.1	98.2	97.5	98.4	97.8	98.2	98.3	97.5	98.4	98.5	98.5
	(BUSHELS)										
YIELD PER ACRE HARVESTED	26.7	27.5	27.8	27.8	23.7	28.9	26.1	30.6	29.2	30.2	27.4
	PRICE (DOLLARS)										
PRICE PER BUSHEL:											
SUPPORT (U.S. FARM BASIS)	2.25	2.25	2.25	2.25	2.25	[illegible]	5/	3.50	4.50	4.50	4.50
RECEIVED BY FARMERS	2.89	3.13	5.79	5.77	6.16	5.06	7.11	5.88	6.75	5.75-6.25	8-10
NO.1 YELLOW, DECATUR	3.00	3.24	6.21	6.12	6.32	5.26	7.33	6.14			
NO.1 YELLOW, CHICAGO	3.05	3.29	6.27	6.12	6.33	5.25	7.36	6.11			

1/ PRELIMINARY. 2/ ALTERNATIVE I ASSUMES RELATIVELY FAVORABLE PRODUCTION CONDITIONS WORLDWIDE; ALTERNATIVE II ASSUMES RELATIVELY UNFAVORABLE PRODUCTION CONDITIONS WORLDWIDE. 3/ LESS THAN 500 THOUSAND BUSHELS. 4/ QUANTITY NEEDED TO BALANCE REPORTED SUPPLY WITH ESTIMATED USE AND ENDING STOCKS. 5/ NO SUPPORT PROGRAM FOR 1975 SOYBEAN CROP.

TABLE 4.--OILSEEDS COST OF PRODUCTION: U.S. AVERAGE PER ACRE AND PER UNIT, 1977-79

ITEM	SOYBEANS (BUSHELS)			PEANUTS (POUNDS)			FLAXSEED (BUSHELS)		
	1977 (FINAL)	1978 (PRELIMINARY)	1979 (PROJECTED)	1977 (FINAL)	1978 (PRELIMINARY)	1979 (PROJECTED)	1977 (FINAL)	1978 (PRELIMINARY)	1979 (PROJECTED)
Per planted acre:									
Variable	$52.82	$54.17	$56.86	$257.95	$264.50	$278.20	$26.36	$27.33	$29.04
Machinery ownership	24.28	27.46	31.28	51.21	58.07	66.25	17.00	19.51	22.24
Overhead	6.40	6.86	7.38	15.73	17.52	18.84	4.83	5.13	5.52
Management	8.35	8.85	9.55	32.49	34.01	36.33	4.82	5.20	5.68
Total	91.85	97.34	105.07	357.38	347.10	399.62	53.01	57.17	62.48
Land:									
Current	77.11	81.04	86.63	99.78	110.48	118.10	28.13	32.23	34.45
Acquisition	51.79	54.15	57.89	90.68	100.65	107.59	15.12	18.15	19.40
Per unit:									
Variable	1.75	1.87	1.87-2.15	.106	.102	.101-.113	2.46	2.20	2.50-3.03
Machinery ownership	.80	.95	1.03-1.19	.021	.022	.024-.027	1.59	1.57	1.92-2.32
Overhead	.21	.24	.24- .28	.007	.007	.007-.008	.45	.42	.48- .57
Management	.28	.31	.32- .36	.013	.013	.013-.015	.45	.42	.49- .59
Total	3.04	3.37	3.46-3.98	.147	.144	.145-.163	4.95	4.61	5.39-6.51
Value of byproducts	NA	NA	NA	.005	.005	.005	NA	NA	NA
Land:									
Current	2.55	2.80	3.05	.041	.043	.045	2.63	2.60	3.25
Acquisition	1.71	1.87	2.04	.037	.039	.041	1.41	1.46	1.83
Average renter cost	4.79	5.32	5.83	.194	.195	.208	7.34	6.87	8.81
Yield	30.2	28.9	26.4-30.4	2,431	2,596	2,450-2,750	10.7	12.4	9.6-11.6

1/ NOT APPLICABLE.

SOURCE: U.S. SENATE COMMITTEE PRINT, 96th CONGRESS, 1st SESSION, JUNE 15, 1979--"COSTS OF PRODUCING SELECTED CROPS IN THE UNITED STATES--1977, 1978, AND PROJECTIONS FOR 1979." COPIES MAY BE ORDERED FROM USDA, ESCS, WASHINGTON, D.C. 20250.

seed, 1977, 1978, and 1979 projections are shown in table 4. Land costs are computed on the basis of two composites. One composite uses current land values combined with share and cash rent, and the other uses an average acquisition value combined with share and cash rent.

In 1978, the U.S. average cost of producing soybeans (excluding land costs) increased 11 percent per bushel. Total cost per bushel in 1978 with land at acquisition value was $5.24; with land at current value, it was $6.17. Soybean production costs in 1979 are estimated at $5.76 per bushel with land at acquisition value and $6.77 with land at current value. This represents an increase of about one-tenth over 1978 production costs. These projections do not reflect the recent petroleum price increases, which will push soybean production costs even higher this year.

These cost figures are average estimates, and the broad range of costs that they encompass should not be overlooked as an important factor in the cost structure of U.S. agricultural production. Costs vary significantly over time, from farm to farm, and across States and regions. This variability among farms is attributable to factors such as climate, soil types, varying management skills of producers, and farm size.

SOYBEAN OIL

Strong Demand Continues

Soybean oil supplies in 1978/79 are estimated at 12 billion pounds, compared with 11 billion last season. Domestic use is expected to rise to around 8.7 billion pounds, or some 5 percent above 1977/78. U.S. supplies of competitive cottonseed oil, palm oil, and butter are smaller this marketing year, but there are greater quantities of sunflowerseed oil and corn oil. Domestic disappearance of soybean oil during October-May, at 6.0 billion pounds, was about 6 percent above year-earlier levels.

Soybean oil, the major vegetable oil produced and consumed in the United States, now represents over 60 percent of all food fats and oils consumed.

Soybean oil exports this marketing year are projected at about 2.2 billion pounds, slightly above the 1977/78 level. Exports during October-May, at 1.5 billion pounds, were up some 5 percent from the previous year. India, Pakistan, Iran, China, Columbia, and Peru are the major markets.

Soybean oil prices (crude, Decatur) have advanced from about 25 cents a pound last November to about 28 cents in June, compared with 27 cents in June 1978. Prices this summer will probably average near last year's level of 27 cents. U.S. processors are crushing soybeans to meet soybean meal demand, so the soybean oil inventory is expected to reach nearly 1 billion pounds by October 1.

SOYBEAN MEAL

Record Offtake This Season

U.S. soybean meal supplies for 1978/79 are estimated at about 24½ million short tons, compared with 22½ million last season. Domestic use is placed at 17½ million tons, or some 8 percent above 1977/78. The increases in sows farrowing (up 17 percent from a year ago), broiler production (up 10 percent), and heavier cattle weights all point to heavier consumption of high-protein feeds this marketing year. Domestic disappearance during October-May totaled 12.1 million tons, compared with 11.2 million through May 1978.

Feed use of corn and other grains is expected to increase some 13 percent this marketing year, also stimulating the demand for soybean meal. Tightening corn supplies this summer will likely make soybean meal prices more competitive.

Soybean meal exports are expected to total 6.6 million tons this season, up from the 6.1 million tons shipped in 1977/78. Exports during October-May totaled 4.8 million tons, compared with 4.3 million a year earlier. Over half of U.S. meal exports go to Western Europe, with Eastern Europe and Japan also ranking as major markets.

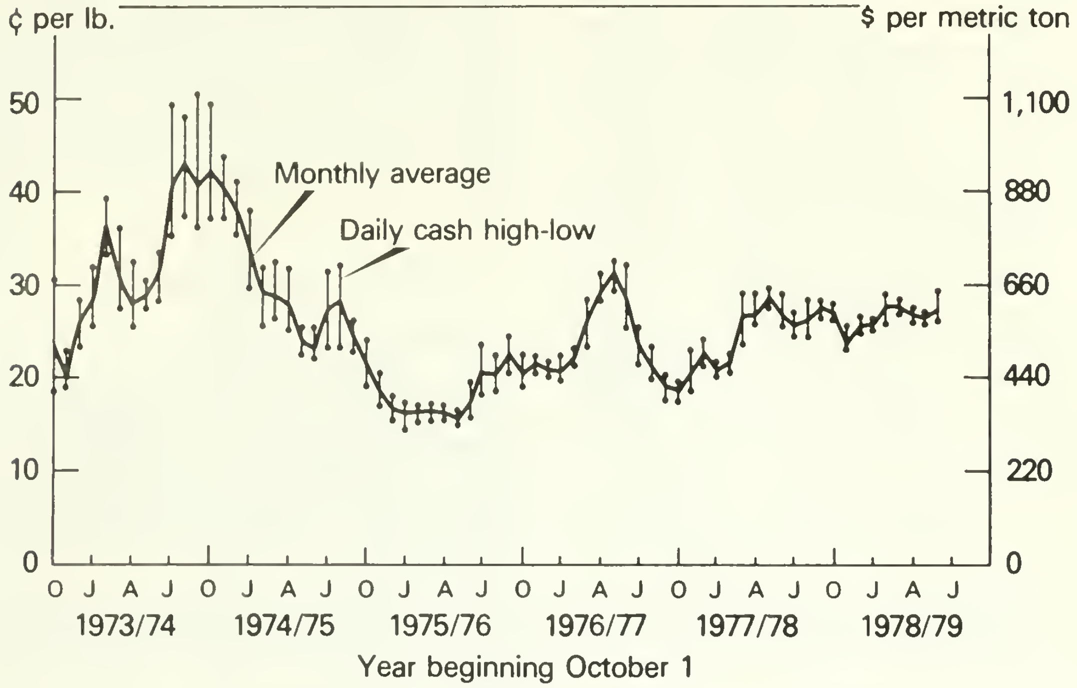
Many countries prefer to process soybeans themselves. Brazil moves large quantities of soybean meal into the world markets.

Soybean meal prices (44 percent protein, Decatur) have increased from $164 a ton last fall to $210 in June. Higher animal numbers and profitable feeding ratios have boosted consumption to a record high.

WORLD OILSEEDS

World production of high protein meals in 1978/79 again is estimated to be well above the trend, increasing to more than 83 million metric tons (soybean equivalent). This is in spite of the drought-reduced 1979 Brazilian soybean crop and the severe winterkill of rapeseed crops in Europe. The Brazilian crop is likely to total around 11 million tons, 2.5 million tons less than expected last winter. The Argentine soybean crop is now estimated at a record 3.8 million tons, compared with 2.7 million in 1978. Peru's fish catch and meal production also are expected to recover significantly during 1979.

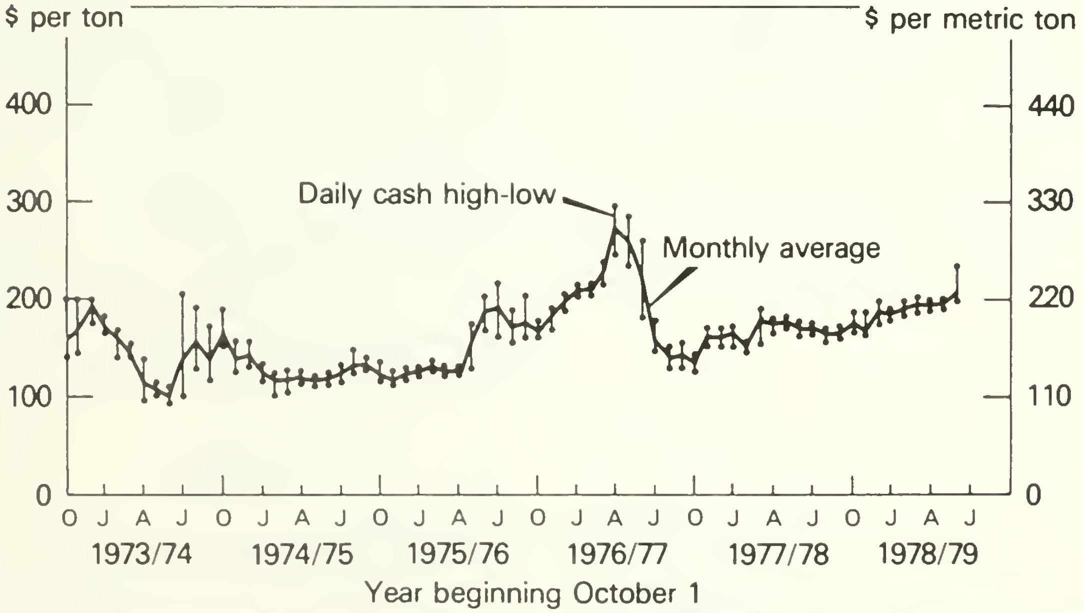
U.S. Soybean Oil Prices, Crude, Decatur



USDA

Neg. ESCS 2510-79 (7)

U.S. Soybean Meal Prices, 44% Protein, Decatur



USDA

Neg ESCS 2694-79 (7)

Demand for protein meals and prices for soybeans and meal have continued strong. The long, cold winter in Europe resulted in increased feeding and demand for U.S. soybeans. Although they are increasing, soymeal prices in Europe are still very attractive relative to grain prices. Pork and egg prices in the European Community (EC) are down, however, while most feeding costs are increasing. EC imports of manioc continue large in 1979 but are significantly reduced from 1978 levels because of reduced supplies from Thailand. World utilization of protein meals will be up in 1979 but not by as much as the increase in 1978.

Oilseed crops for 1979/80 have only just been planted in the Northern Hemisphere, but sunflowers in the Soviet Union are already suffering from drought. Nonetheless, expected increases elsewhere should more than compensate. Prices were very attractive when U.S. farmers made their decision to increase 1979 soybean plantings by 12 percent. Continued growth in the Brazilian and Argentine soybean crops is very likely. World protein meal and vegetable oil supplies are likely to increase significantly above 1978/79 levels, but demand also is expected to increase, keeping U.S. soybean stocks relatively small.

SUNFLOWERSEED

Crush Continues Strong

The U.S. sunflowerseed crush during October-May totaled 264,000 short tons and produced 104,000 tons of oil. Domestic use of sunflowerseed oil has expanded this year because food processors are using an increasing amount for cooking oil and margarine. The 1978/79 crush probably will total around 350,000 tons, producing 138,000 tons of oil. Oil yield per ton of sunflowerseeds crushed is currently averaging 786 pounds, and the meal yield is 1,230 pounds.

The bulk of the U.S. sunflowerseed crop is exported. The volume this season is estimated at 1.4 million short tons, or more than two-thirds of the total supply of 2.0 million tons. West Europe, East Europe, Mexico, and Venezuela are the major importers.

1979 Plantings Nearly Double

Sunflowerseed producers are nearly doubling their acreage in 1979. An estimated 5.3 million acres were seeded this year (Minnesota, North Dakota, South Dakota, and Texas) compared with 2.8 million in 1978. These four States probably account for around 95 percent of total U.S. plantings. North Dakota is the leading producer of sunflowers, accounting for 65 percent of this year's acreage. The acreage planted to oil varieties, at 5.1 million acres, represents 96 percent of the total acreage planted.

A potential 1979 U.S. sunflowerseed crop of 7 billion pounds or more is likely—depending on weather and yields—versus about 4 billion in 1978. While the crush will continue to expand in 1979/80—more capacity is coming on stream—we still will need to export about three-fourths of this crop.

PALM OIL

Imports Smallest in Five Years

U.S. imports of duty-free palm oil, mainly from Malaysia, during October-May totaled 178 million pounds, down 32 percent from 1977/78. It now appears that imports for all of 1978/79 likely will total somewhat below the 362 million pounds bought last year and sharply below the record 933 million pounds of 1975/76.

Palm oil output is increasing in Malaysia (the world's leading producer-exporter), and world demand is strong. However, palm oil prices at 31 cents a pound (West Coast) have not been competitive with soybean oil. U.S. palm oil use increases (mainly in hydrogenated shortenings) when prices are below or nearly equal to the price of soybean oil.

COCONUT OIL

Prices High; Imports Declining

Coconut oil prices (crude, Pacific Coast) have advanced from 32 cents a pound last summer to 59 cents in June, an increase of more than 80 percent. In June 1978, prices averaged about 32 cents. The sharp advance largely reflects reduced output in the Philippines resulting from drought last year. Also, world demand has been strong, with the U.S.S.R. buying large quantities.

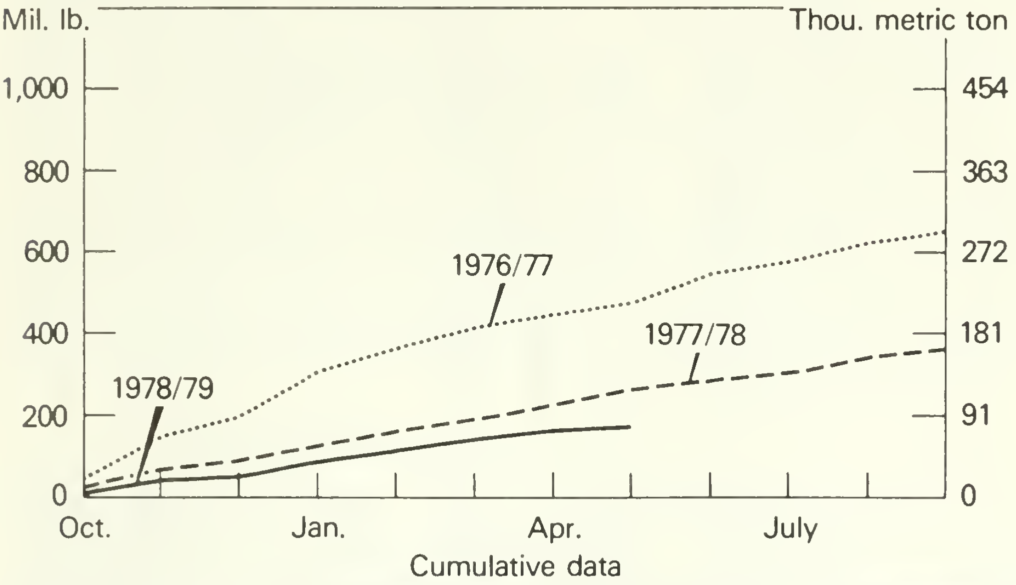
U.S. imports during October-May totaled 0.7 billion pounds, up about 4 percent from the same period last season. Coconut oil imports for all of 1978/79 probably will decline 10 percent or more from the 1.0-billion-pound level of last year, assuming that high prices and reduced availability from the Philippines continue.

COTTONSEED

Crush May Approximate Last Season

Total cottonseed use for the 1978/79 season, which ends July 31, will be down from last year

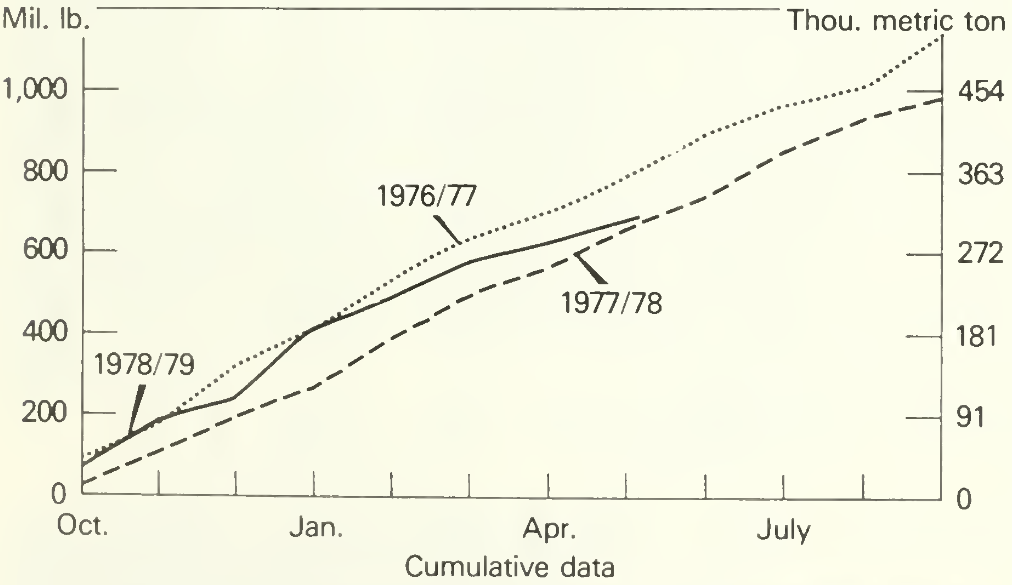
U.S. Palm Oil Imports



USDA

Neg. ESCS 2695 79 (7)

U.S. Coconut Oil Imports



USDA

Neg. ESCS 2725-79 (7)

TABLE 5--FOOD FATS AND OILS: SUPPLY, DISAPPEARANCE, AND PER CAPITA DISAPPEARANCE, 1969-78

ITEM	YEAR BEGINNING OCTOBER									
	1969	1970	1971	1972	1973	1974	1975	1976	1977 1/	1978 2/
	MILLION POUNDS									
STOCKS, OCTOBER 1										
BUTTER	155	171	222	178	94	106	40	68	203	267
LARD	56	60	77	44	28	48	23	34	32	35
TALLOW, EDIBLE	26	37	63	36	19	32	24	59	33	42
COCONUT OIL	108	102	108	111	114	122	107	127	137	145
CORN OIL	71	60	58	70	57	68	52	41	46	73
COTTONSEED OIL	377	121	94	114	114	110	136	105	79	85
SOYBEAN OIL	415	543	773	785	516	794	561	1,251	767	729
PALM OIL	28	20	36	93	60	88	127	138	131	74
PALM KERNEL OIL	20	15	26	24	20	26	20	27	46	18
PEANUT OIL	17	12	24	18	18	22	44	199	171	33
SAFFLOWER OIL	61	29	29	39	31	8	25	44	25	21
SUNFLOWER OIL	---	---	---	---	---	---	---	20	---	---
SUB-TOTAL	1,334	1,179	1,510	1,513	1,071	1,422	1,158	2,112	1,670	1,522
FINISHED PRODUCTS 3/	217	236	236	254	206	247	213	271	254	306
TOTAL FOOD FATS AND OILS	1,551	1,407	1,746	1,767	1,277	1,669	1,371	2,383	1,924	1,828
IMPORTS										
BUTTER	2	2	2	2	56	2	2	2	1	1
TALLOW, EDIBLE	4/	4/	4/	1	4/	4/	4/	4/	4/	---
OLIVE OIL	63	67	67	58	49	46	63	56	62	63
COCONUT OIL	562	606	634	687	563	673	1,248	1,115	980	880
CORN OIL	3	1	---	4/	1	2	1	10	3	5
COTTONSEED OIL	4/	4/	---	4/	4/	---	4/	---	---	---
PALM OIL	122	207	440	363	349	757	933	661	361	300
PALM KERNEL OIL	80	105	90	102	126	160	158	157	123	160
PEANUT OIL	4/	4/	4/	4/	1	4/	2	4/	4/	---
SESAME OIL	2	2	2	2	3	2	3	3	3	3
SUNFLOWER OIL	---	---	---	---	---	1	2	---	---	---
TOTAL	834	990	1,235	1,214	1,147	1,643	2,413	2,006	1,533	1,412
PRODUCTION										
BUTTER	1,128	1,148	1,121	956	927	995	946	1,078	1,040	975
LARD	1,810	2,018	1,646	1,285	1,324	1,094	982	1,056	999	1,025
TALLOW, EDIBLE	566	550	523	481	556	557	527	532	795	900
OLEO OIL & STEARINE 5/	11	4	5	8	9	11	7	8	5	5
COCONUT OIL	298	205	336	310	93	---	---	---	---	---
CORN OIL	474	485	499	523	528	465	644	669	695	700
COTTONSEED OIL	1,251	1,235	1,308	1,564	1,552	1,335	920	1,198	1,453	1,375
SOYBEAN OIL	7,904	8,265	7,892	7,501	8,995	7,375	9,630	8,578	10,291	11,170
PEANUT OIL	180	266	265	273	195	236	494	312	140	175
SAFFLOWER OIL (ESTIMATE)	100	120	140	150	100	115	100	75	95	90
SUNFLOWER OIL	---	---	---	---	---	92	110	37	195	275
SUB-TOTAL	13,723	14,297	13,735	13,051	14,278	12,275	14,360	13,542	15,709	16,695
OILSEEDS (OIL EQUIVALENT OF EXPORTS)	5,007	4,857	4,556	5,299	6,221	4,887	6,445	6,453	8,762	9,625
TOTAL SUPPLY	21,114	21,550	21,272	21,332	22,923	20,474	24,589	24,383	27,928	29,560
EXPORTS AND SHIPMENTS										
BUTTER	8	27	124	18	8	4	3	4	2	2
LARD	405	382	220	132	180	147	185	249	174	175
TALLOW, EDIBLE	11	6	5	20	43	17	22	23	18	35
OLEO OIL & STEARINE	11	4	5	8	9	11	7	8	5	5
COCONUT OIL	9	17	20	19	17	14	53	31	33	25
CORN OIL	34	43	49	44	68	84	98	93	116	125
COTTONSEED OIL	454	373	453	584	565	686	500	691	758	690
PALM OIL	8	8	32	40	24	27	39	57	52	10
PEANUT OIL	34	60	71	111	42	40	104	74	99	50
PROCESSED FOOD OILS 6/	63	67	70	67	91	77	101	88	75	75
SAFFLOWER OIL (ESTIMATE)	25	20	40	40	25	25	25	15	25	25
SOYBEAN OIL	1,449	1,782	1,440	1,086	1,461	1,090	1,034	1,608	2,137	2,200
SUNFLOWER OIL	---	---	---	---	---	9	10	31	75	100
SUB-TOTAL	2,512	2,790	2,529	2,171	2,533	2,231	2,181	2,972	3,570	3,517
OILSEED (OIL EQUIVALENT)										
COTTONSEED	9	12	1	3	17	2	26	4	15	5
SOYBEANS	4,941	4,764	4,429	5,191	6,100	4,643	6,083	6,126	7,958	8,475
PEANUTS (FOR CRUSHING ABROAD)	12	58	71	56	68	54	---	1	---	---
SAFFLOWER	45	23	55	49	36	38	26	22	28	25
SUNFLOWER SEED	---	---	---	---	---	150	310	300	760	1,120
SUB-TOTAL	5,007	4,857	4,556	5,299	6,221	4,887	6,445	6,453	8,762	9,625
TOTAL EXPORTS	7,519	7,647	7,085	7,470	8,754	7,118	8,626	9,425	13,443	13,142
DOMESTIC DISAPPEARANCE										
BUTTER	1,106	1,074	1,043	1,024	964	1,059	917	941	975	1,000
LARD	1,425	1,645	1,480	1,185	1,150	989	803	814	822	850
TALLOW, EDIBLE	544	518	546	479	500	548	470	534	769	850
COCONUT OIL	855	644	612	664	539	675	1,175	1,075	939	850
CORN OIL	454	445	439	492	450	399	559	581	556	575
COTTONSEED OIL	1,052	890	834	980	991	622	451	532	689	685
SOYBEAN OIL	6,328	6,253	6,439	6,685	7,255	6,518	7,906	7,454	8,192	8,700
OLIVE OIL	63	67	67	58	49	46	63	56	62	63
PALM OIL	122	182	351	356	294	692	883	611	367	300
PALM KERNEL OIL	85	94	92	107	120	165	151	138	151	160
PEANUT OIL	151	193	200	162	150	175	237	265	179	125
SAFFLOWER OIL (ESTIMATE)	107	100	90	118	98	75	75	70	74	70
SESAME OIL	2	2	2	2	3	2	3	3	3	3
SUNFLOWER OIL	---	---	---	---	---	83	80	26	120	175
PROCESSED FOOD OILS 6/	-63	-67	-70	-67	-91	-77	-101	-88	-75	-75
TOTAL	12,231	12,041	12,124	12,244	12,474	11,970	13,673	13,013	13,824	14,331
TOTAL (CALCULATED NET) 7/	12,211	12,041	12,105	12,292	12,433	12,003	13,614	13,030		
TOTAL USE FOR FOOD 8/	10,988	11,057	11,312	11,501	11,597	11,340	12,172	11,711	12,264	
	POUNDS									
PER CAPITA DISAPPEARANCE										
BUTTER (FAT CONTENT)	4.4	4.2	4.0	3.9	3.7	4.0	3.4	3.5	3.6	
MARGARINE (FAT CONTENT)	8.7	8.7	8.9	9.0	9.0	8.8	9.6	9.3	9.0	
LARD (DIRECT USE)	4.5	4.6	3.7	3.5	3.2	3.0	2.8	2.3	2.3	
BAKING AND FRYING FATS	17.6	17.0	17.3	17.3	17.3	16.6	18.3	17.2	17.9	
SALAD AND COOKING OILS	15.0	15.6	16.7	17.4	18.5	17.8	19.5	19.0	20.5	
OTHER EDIBLE USES	2.6	2.3	2.7	2.7	2.1	2.0	2.1	1.9	2.1	
TOTAL (FAT CONTENT)	52.6	52.5	53.3	53.8	53.9	52.2	55.8	53.3	55.4	56-57

1/ PRELIMINARY. 2/ FORECAST. 3/ SHORTENING, MARGARINE (FAT CONTENT), AND SALAD AND COOKING OILS. 4/ LESS THAN 500,000 POUNDS. 5/ REPRESENTS EXPORTS ONLY; PRODUCTION DATA ARE NOT AVAILABLE. 6/ INCLUDES EXPORTS OF PROCESSED FOOD OILS NOT CLASSIFIED BY KIND, SHORTENING AND OTHER SECONDARY FATS. 7/ ADJUSTED TO REFLECT CHANGES IN STOCKS OF FINISHED PRODUCTS. 8/ EXCLUDES FOOD FATS AND OILS USED FOR NON-FOOD PURPOSES.

because of smaller supplies. The 1978 cottonseed crop, at 4.3 million short tons, was off nearly a fourth from the previous year. However, total supplies were down only about 12 percent due to a large carryover stock.

Cottonseed crushings for the season are estimated at 4.3 million tons, roughly the same as the previous year. Through May, crushings totaled 3.6 million tons, differing little from the same period last year. As of June 1, cottonseed stocks at mills totaled nearly 1 million tons, down sharply from a year ago. The carryover stock at mills was large last season, totaling 817,000 tons; at the end of this season, stocks are expected to be substantially below that level. Grower prices averaged $114 a ton, up sharply from the 1977/78 average of $70.

COTTONSEED OIL

Smaller Supplies Restrict Use

Primarily because of smaller carryover stocks last August, the supply of cottonseed oil for the 1978/79 marketing year is about 4 percent below the 1.54 billion pounds of the previous year. Estimated cottonseed oil output, at 1.4 billion pounds, is little changed from 1977/78.

During August-May, domestic use of cottonseed oil totaled 525 million pounds, down from 6 percent the same period last season. Smaller cottonseed oil supplies, higher prices, and heavy exports are tending to restrict domestic use. For the entire season, domestic disappearance is estimated at 650 million pounds, compared with 685 million last year.

Through May, cottonseed oil exports totaled 591 million pounds, compared with 615 million through May 1978. However, as supplies tighten, exports over the balance of the season likely will contract and fall below the 134 million pounds of last June-July. Total exports are estimated at 700 million pounds, compared with 750 million for 1977/78.

Cottonseed oil prices (crude, Mississippi Valley) are up from the seasonal low of last fall. Prices rose from 28 cents a pound to a peak of 34 cents in March. Since then, prices have softened a little but are still above 30 cents. Prices should average about 31 cents a pound this season, compared with 24 cents last season.

COTTONSEED MEAL

Although carryover stocks of cottonseed meal on August 1, 1978 were down from the previous year, production during the season has increased a little. As a result, the total supply of cottonseed meal for the 1978/79 season, at 2.1 million tons, is little changed from 1977/78.

During August-May, domestic disappearance of cottonseed meal totaled 1.5 million tons, compared with 1.6 million for the same period last season. Strong exports are tending to limit domestic feeding. Domestic use for the season is estimated at 1.8 million tons, compared with 1.9 million last season.

Through May, exports totaled 139,000 tons, compared with 90,000 tons for the same period last year. Total exports this season should be about 200,000 tons, compared with 130,000 last season.

Cottonseed meal prices (41 percent protein, Memphis) have averaged well above last season. The average price for the 1978/79 marketing year is estimated at $160 per ton, compared with $135 for 1977/78. Demand for oilseed meals continues strong because of expanding livestock numbers and profitable feeding ratios.

LARD

Output May Exceed Last Season

During October-May, lard production totaled 0.7 billion pounds, roughly the same as a year ago. With more hogs available and slaughter expanding, lard output over the balance of the season is expected to surpass the 0.3 billion pounds produced last June-September. Thus, lard production for the season is likely to exceed 1.0 billion pounds.

Domestic disappearance is estimated at 0.9 billion pounds, compared with 0.8 billion last season. So far, use is up about 5 percent from a year ago. With larger lard supplies for the rest of the marketing year, use is expected to continue to gain over last year. Last summer, by contrast, production and use were shrinking.

Exports and shipments are likely to total near the 0.2 billion pounds of last season. So far, exports are trailing year-ago levels, but expanding lard supplies should encourage exports over the next few months. Last season, exports during June-September were fairly strong, totaling 54 million pounds.

Lard prices (tanks, loose, Chicago) rose from 23 cents a pound last December to 30 cents in April. In recent months, prices have softened somewhat, averaging around 26 cents as lard supplies have increased. The average price for 1978/79 is estimated at 25 cents a pound, compared with 22 cents for 1977/78.

PEANUTS

Crushings Are Strong

Peanut supplies for the 1978/79 marketing year, which ends July 31, totaled 4.6 billion pounds, up about 5 percent from last year. Increased production accounted for the expansion, as beginning stocks were below year-earlier levels. The 1978 peanut crop totaled 4 billion pounds, 7 percent larger than the 1977 crop.

During August-May, shelled peanuts for edible use totaled 1.1 billion pounds, compared with 1.0 billion for the same period last season. Increased use in peanut candy, salted peanuts, peanut butter, and other products more than offset declines in peanut butter sandwiches. Peanut candy, salted peanuts, and peanut butter are the major outlets for shelled peanuts, accounting for more than 90 percent of all shelled peanuts used in edible products. For the entire season, the use of edible peanuts is estimated at 1.9 billion pounds, an increase of 5 percent from last season.

Through May, peanut crushings totaled 453 million pounds, up about 18 percent from the same period last year. Crushings were down last season, partly because of good export demand. Although export demand is strong again this season, larger supplies permit an increase in crushings. Total crushings are estimated at 550 million pounds, compared with 487 million in 1977/78.

Through May, U.S. peanut exports surpassed the year-earlier level by about 10 percent. Reduced output and exports from other world areas account for the expansion. Total exports this season could approach the 1 billion pounds of last year.

Prices received by farmers for their 1978-crop peanuts averaged 21 cents a pound, about the same as last year and near the loan rate for quota-type peanuts.

FLAXSEED

Crushings Exceeded Last Season

Although flaxseed supplies in 1978/79 were about 6 percent below the previous year and prices averaged sharply higher, crushings totaled 13 million bushels, up about 12 percent from 1977/78. Good demand for linseed oil and meal, at relatively favorable prices, tended to boost crushings. Flaxseed exports were small, totaling about 0.1 million bushels; last season, exports totaled 1.0 million bushels. Imports, at 1.6 million bushels, were up sharply from the 0.9 million of last year. Carryover stocks on May 31, at 2.7 million bushels, were about half those of a year ago.

Flaxseed prices received by farmers rose from a seasonal low of about $5 last summer to $7 in April, but they weakened slightly in May. For the entire season, prices averaged about $6 a bushel, up about a third from the $4.54 average of 1977/78. Recently, prices have strengthened. For June, the first month of the new marketing year, they averaged $7.34 a bushel, nearly $1.50 above June 1978.

LINSEED OIL

Domestic Disappearance Increased Slightly

During the 1978/79 marketing year, which ended May 31, domestic disappearance of linseed oil totaled 227 million pounds, up about 3 percent from the previous season and the highest level since 1973/74. Exports also increased. At 54 million pounds, exports were more than double last season's 25 million pounds. Relatively stable, favorable prices were one factor that encouraged use. Since the total supply of linseed oil, at 330 million pounds, was only slightly larger than last season, the expanded use resulted in a drawdown in stocks. On June 1, carryover stocks totaled 45 million pounds, down sharply from 70 million last June.

Linseed oil prices (raw, Minneapolis) were relatively stable through April 1979, ranging from 22 to 24 cents a pound. In May, however, they spurted to 30 cents. Prices for 1978/79 averaged 25 cents, the same as the previous season. In June, the first month of the new marketing season, prices averaged 31 cents a pound, compared with 22 cents last June.

LINSEED MEAL

Disappearance Increased 12 Percent

Domestic disappearance of linseed meal during 1978/79, at 111,000 tons, was up only slightly, while exports, at 135,000 tons, were up about 20 percent. The increase in total disappearance matched the increase in supplies, which, at 254,000 tons, were up about 12 percent. Larger production accounted for the expansion.

Linseed meal prices (34 percent protein bulk, Minneapolis) during 1978/79 averaged $143 a ton, about $5 higher than for 1977/78. Prices rose from about $131 last summer to a seasonal peak of $159 in the winter. Subsequently, prices declined. In June, the first month of the new marketing year, prices averaged $149 a ton, about $13 higher than last June.

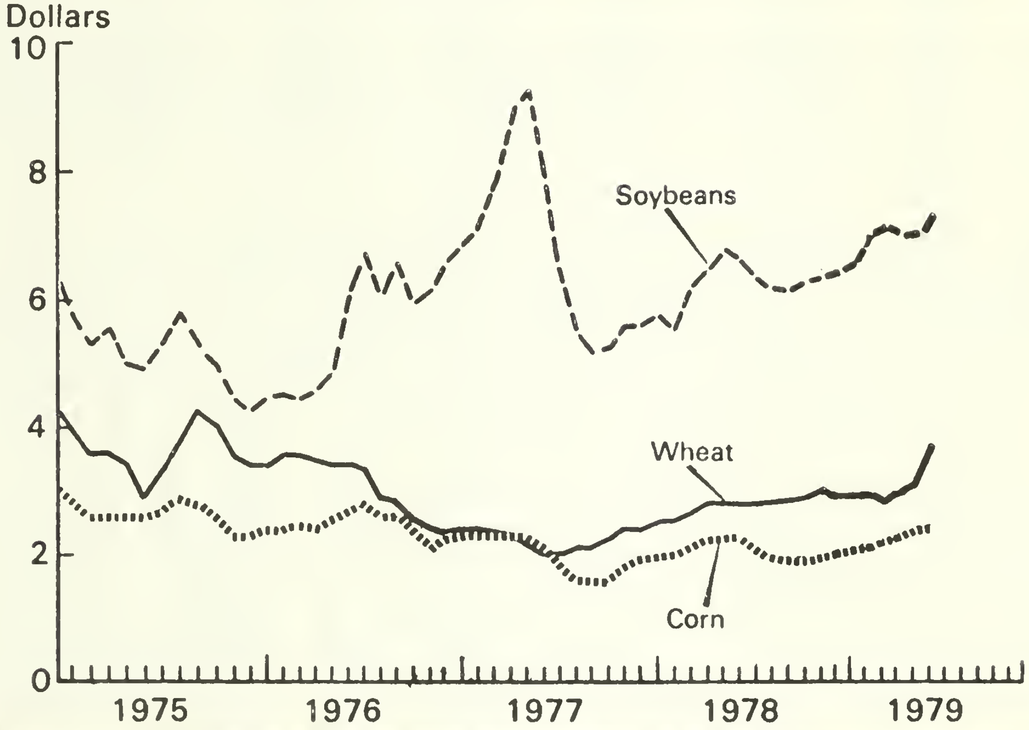
TALLOW

Output May Be Down

Production of tallow (edible and inedible) during 1978/79 probably will dip a little below last season's level of 6.9 billion pounds, totaling about 6.8 billion pounds. Output is up for edible tallow but down for inedible tallow. Fewer cattle slaughtered will be the main cause of the decline, more than offsetting a significant increase in hog slaughter. Domestic disappearance may decline slightly from the 4.2 billion pounds of 1977/78, while exports may total near the 2.8 billion pounds of last season.

Inedible tallow prices (bleachable fancy, Chicago) rose from 20 cents a pound last December to 26 cents in April. They subsequently retreated somewhat, averaging 24 cents in June. Prices are expected to remain relatively strong for the balance of the season, averaging well above the 21 cents of last July-September.

Prices Received by Farmers



USDA Neg. ESCS 3212-79(12)

TABLE 6.--FATS AND OILS: USE IN PRODUCTS FOR CIVILIAN CONSUMPTION, TOTAL AND PER CAPITA, UNITED STATES, ANNUAL 1950-78 1/

CALENDAR YEAR	FOOD PRODUCTS: BUTTER (ACTUAL WEIGHT)		LARD (DIRECT USE) 1/		MARGARINE (ACTUAL WEIGHT)		BAKING AND FRYING FATS (SHORTENING)		SALAD AND COOKING OILS		OTHER EDIBLE USES		ALL FOOD PRODUCTS (FAT CONTENT)	
	TOTAL	PER CAPITA	TOTAL	PER CAPITA	TOTAL	PER CAPITA	TOTAL	PER CAPITA	TOTAL	PER CAPITA	TOTAL	PER CAPITA	TOTAL	PER CAPITA
	MIL. LB.	LB.	MIL. LB.	LB.	MIL. LB.	LB.	MIL LB.	LB.	MIL. LB.	LB.	MIL. LB.	LB.	MIL LB.	LB.
1950	1,614	10.7	1,891	12.6	918	6.1	1,656	11.0	---	---	1,297	8.6	6,890	45.9
1951	1,445	9.6	1,855	12.3	996	6.6	1,365	9.0	---	---	1,168	7.7	6,366	42.1
1952	1,316	8.6	1,817	11.8	1,219	7.9	1,562	10.2	---	---	1,339	8.7	6,765	44.1
1953	1,329	8.5	1,772	11.4	1,256	8.1	1,597	10.2	---	---	1,415	9.1	6,876	44.1
1954	1,410	8.9	1,627	10.2	1,346	8.5	1,870	11.8	---	---	1,514	9.5	7,238	45.5
1955	1,460	9.0	1,639	10.1	1,323	8.2	1,863	11.5	---	---	1,704	10.5	7,447	45.9
1956	1,439	8.7	1,623	9.8	1,354	8.2	1,797	10.9	---	---	1,800	10.9	7,475	45.2
1957	1,406	8.4	1,589	9.4	1,446	8.6	1,756	10.4	---	---	1,824	10.8	7,469	44.4
1958	1,418	8.3	1,640	9.6	1,549	9.0	1,935	11.3	---	---	1,804	10.5	7,770	45.3
1959	1,371	7.9	1,536	8.8	1,604	9.2	2,196	12.6	1,486	8.5	459	2.6	8,068	46.2
1960	1,332	7.5	1,358	7.6	1,676	9.4	2,238	12.6	1,630	9.2	414	2.3	8,064	45.3
1961	1,335	7.4	1,393	7.7	1,708	9.4	2,311	12.8	1,661	9.2	361	2.0	8,173	45.1
1962	1,342	7.3	1,314	7.2	1,709	9.3	2,469	13.4	2,021	11.0	134	.7	8,399	45.7
1963	1,281	6.9	1,190	6.4	1,785	9.6	2,525	13.5	2,066	11.1	384	2.1	8,639	46.3
1964	1,297	6.9	1,193	6.3	1,835	9.7	2,598	13.7	2,249	11.9	428	2.3	8,994	47.6
1965	1,232	6.4	1,225	6.4	1,891	9.9	2,695	14.1	2,398	12.5	313	1.6	9,147	47.8
1966	1,099	5.7	1,071	5.5	2,038	10.5	3,079	15.9	2,464	12.7	465	2.4	9,615	49.7
1967	1,076	5.5	1,055	5.4	2,046	10.5	3,108	15.9	2,474	12.7	482	2.5	9,634	49.4
1968	1,117	5.7	1,106	5.6	2,130	10.8	3,211	16.3	2,665	13.5	488	2.5	10,082	51.2
1969	1,081	5.4	1,011	5.1	2,154	10.8	3,398	17.1	2,863	14.4	470	2.4	10,333	51.9
1970	1,061	5.3	939	4.7	2,223	11.0	3,496	17.3	3,125	15.5	480	2.4	10,681	53.0
1971	1,039	5.1	880	4.3	2,264	11.1	3,429	16.8	3,215	15.7	480	2.3	10,650	52.2
1972	1,017	4.9	787	3.8	2,338	11.3	3,650	17.7	3,513	17.0	571	2.8	11,204	54.3
1973	1,000	4.8	705	3.4	2,350	11.3	3,593	17.3	3,737	18.0	575	2.8	11,296	54.3
1974	955	4.6	681	3.2	2,370	11.3	3,571	17.0	3,851	18.4	407	1.9	11,163	53.2
1975	1,012	4.8	615	3.0	2,375	11.2	3,661	17.3	3,856	18.2	436	2.1	11,280	53.4
1976	935	4.4	568	2.7	2,595	12.2	3,859	18.1	4,234	19.9	445	2.1	11,923	56.0
1977 2/	937	4,3	495	2.3	2,508	11.6	3,796	17.5	4,207	19.4	421	1.9	11,694	54.0
1978 2/	968	4.5	482	2,2	2,494	11.4	3,972	18.2	4,484	20.5	454	2.1	12,179	55.6

CALENDAR YEAR	INDUSTRIAL PRODUCTS: SOAP		DRYING OIL PRODUCTS		FATTY ACIDS		ANIMAL FEEDS		OTHER INDUSTRIAL PRODUCTS		ALL INDUSTRIAL PRODUCTS		ALL PRODUCTS: INCLUDING ONLY FAT CONTENT OF BUTTER AND MARGARINE	PER CAPITA (FAT CONTENT)
	TOTAL	PER CAPITA	TOTAL	PER CAPITA	TOTAL	PER CAPITA	TOTAL	PER CAPITA	TOTAL	PER CAPITA	TOTAL	PER CAPITA		
	MIL LB.	LB.	MIL. LB.	LB.	MIL. LB.	LB.	MIL. LB.	LB.	MIL. LB.	LB.	MIL. LB.	LB.	MIL. LB.	LB.
1950	1,804	12.0	1,182	7.9	501	3.4	---	---	653	4.3	4,140	27.6	11,030	73.4
1951	1,505	10.0	1,129	7.5	453	3.0	---	---	763	5.0	3,850	25.5	10,216	67.6
1952	1,352	8.8	1,010	6.6	412	2.7	---	---	819	5.3	3,593	23.4	10,358	67.5
1953	1,291	8.3	1,064	6.8	577	3.7	---	---	699	4.5	3,631	23.3	10,507	67.4
1954	1,177	7.4	1,001	6.3	521	3.3	111	.7	717	4.5	3,527	22.2	10,765	67.7
1955	1,115	6.9	1,104	6.8	606	3.8	181	1.1	834	5.1	3,840	23.7	11,287	69.5
1956	1,038	6.3	1,089	6.6	645	3.9	296	1.8	894	5.4	3,962	24.0	11,437	69.2
1957	994	5.9	1,015	6.0	737	4.4	425	2.5	783	4.7	3,959	23.5	11,428	67.9
1958	914	5.3	920	5.4	722	4.2	550	3.2	883	5.2	3,989	23.3	11,759	68.6
1959	862	4.9	910	5.2	1,150	6.6	505	2.9	808	4.7	4,235	24.3	12,303	70.5
1960	860	4.8	821	4.6	1,245	7.0	504	2.8	841	4.7	4,271	24.0	12,335	69.2
1961	830	4.6	846	4.7	1,226	6.8	502	2.8	819	4.5	4,223	23.3	12,396	68.4
1962	774	4.2	879	4.8	1,319	7.2	876	4.8	878	4.8	4,726	25.7	13,125	71.5
1963	775	4.2	866	4.6	1,408	7.6	827	4.5	920	4.9	4,796	25.7	13,435	72.1
1964	773	4.1	889	4.7	1,598	8.5	838	4.5	885	4.7	4,983	26.4	13,977	73.9
1965	706	3.7	895	4.7	1,735	9.1	717	3.8	763	4.0	4,816	25.1	13,963	72.9
1966	719	3.7	908	4.7	1,957	10.1	893	4.6	852	4.4	5,329	27.6	14,988	77.5
1967	706	3.6	844	4.3	1,893	9.7	972	5.0	819	4.2	5,234	26.8	14,868	76.2
1968	689	3.5	850	4.3	1,907	9.7	1,011	5.1	788	4.0	5,245	26.6	15,327	77.8
1969	673	3.4	728	3.7	1,943	9.8	1,078	5.4	988	5.0	5,410	27.2	15,743	79.1
1970	751	3.7	598	3.0	1,684	8.4	1,087	5.4	969	4.8	5,089	25.2	15,771	78.2
1971	738	3.6	624	3.1	1,656	8.1	1,131	5.5	900	4.5	5,049	24.7	15,700	76.9
1972	802	3.9	564	2.7	1,861	9.0	1,100	5.3	926	4.5	5,252	25.4	16,456	79.7
1973	721	3.5	679	3.3	1,954	9.4	945	4.5	806	3.9	5,106	24.5	16,403	78.8
1974	779	3.7	558	2.7	1,904	9.1	1,137	5.4	1,020	4.9	5,397	25.7	16,560	79.0
1975	800	3.8	425	2.0	1,661	7.6	1,270	6.0	868	4.1	4,965	23.5	16,262	76.9
1976	935	4.4	541	2.5	1,830	8.6	1,449	6.8	917	4.3	5,672	26.6	17,612	82.6
1977 2/	953	4.4	604	2,8	1,817	8,4	1,402	6,5	1,177	5.4	5,953	27.5	17,647	81.4
1978 2/	887	4,1	703	3,2	2,173	9,9	1,478	6,8	1,185	5.4	6,426	29.4	18,603	85.0

1/ DOMESTIC DISAPPEARANCE DATA ARE COMPUTED BY ESCS.

2/ PRELIMINARY.

TABLE 7.--SALAD AND COOKING OILS: SUPPLY, DISPOSITION, OILS UTILIZED AND RETAIL PRICE, 1960-78 1/

CALENDAR YEAR	SUPPLY				DISPOSITION			OILS USED IN MANUFACTURE FOR DOMESTIC USE						RETAIL PRICE PER POUND
	PRODUCTION	IMPORTS 2/	STOCKS JAN. 1	TOTAL	EXPORTS 3/	DOMESTIC USE	TOTAL DISPOSITION	SOYBEAN 4/	COTTONSEED 4/	CORN	PEANUT	SAFFLOWER	TOTAL 4/	
	MILLION POUNDS													CENTS
1960	1,915	51	53	2,019	312	1,647	1,959	648	706	247	28	---	1,629	---
1961	2,124	59	60	2,243	352	1,690	2,042	759	748	210	76	---	1,793	---
1962	2,532	58	200	2,790	474	2,043	2,517	1,084	716	210	46	6	2,062	---
1963	2,359	33	273	2,665	440	2,080	2,520	975	688	202	55	27	1,947	---
1964	2,846	67	145	3,058	659	2,280	2,939	1,140	781	241	50	20	2,231	32.0
1965	2,773	44	119	2,936	422	2,428	2,851	1,226	830	239	53	9	2,357	34.9
1966	2,947	49	86	3,082	496	2,502	2,999	1,395	715	217	115	12	2,455	38.6
1967	2,922	56	83	3,061	463	2,518	2,981	1,476	598	231	133	42	2,480	38.0
1968	2,996	63	80	3,139	350	2,709	3,059	1,711	516	242	156	22	2,647	35.4
1969	3,144	58	79	3,281	324	2,886	3,210	1,962	471	248	124	19	2,825	34.7
1970	3,389	62	71	3,522	293	3,153	3,446	2,189	516	246	139	12	3,102	37.7
1971	3,500	62	76	3,638	320	3,242	3,562	2,347	433	248	160	11	3,199	42.2
1972	3,871	67	76	4,014	398	3,530	3,928	2,610	419	259	148	22	3,453	42.9
1973	3,893	60	86	4,039	218	3,747	3,965	2,657	568	286	127	29	3,667	47.0
1974	4,111	53	74	4,238	280	3,861	4,141	2,896	516	276	98	17	3,803	71.1
1975	3,967	48	97	4,112	161	3,860	4,021	2,893	410	280	100	22	3,705	77.2
1976	4,343	62	91	4.496	149	4,243	4,392	3,248	369	294	150	22	4,080	63.5
1977	4,347	54	104	4,505	193	4,207	4,400	3,180	389	287	199	24	4,079	71.2
1978 5/	4,862	62	105	5,029	422	4,484	4,906	3,456	433	275	146	18	4,328	74.8 6/
1979														

1/ DATA NOT AVAILABLE PRIOR TO 1959.
2/ OLIVE OIL.
3/ REFINED AND FURTHER PROCESSED COTTONSEED OIL, SOYBEAN OIL, AND MISCELLANEOUS VEGETABLE OILS. INCLUDES FOREIGN DONATIONS.
4/ EXCLUDES EXPORTS OF REFINED AND FURTHER PROCESSED COTTONSEED OIL AND SOYBEAN OIL.
5/ PRELIMINARY.
6/ SERIES DISCONTINUED JULY 1, 1979

TABLE 8.--SALAD AND COOKING OILS: PRODUCTION, FATS AND OILS USED IN MANUFACTURE, AND DOMESTIC CONSUMPTION, 1960-78 1/

CALENDAR YEAR	SALAD AND COOKING OILS 2/			TOTAL OILS USED IN SALAD AND COOKING OIL MANUFACTURE 2/	EDIBLE VEGETABLE OILS CONSUMED IN SALAD AND COOKING OIL MANUFACTURE							COOKING AND SALAD OIL DOMESTIC CONSUMPTION (CIVILIAN)	
	DOMESTIC PRODUCTION	IMPORTS 3/	TOTAL		SOYBEAN	COTTONSEED	CORN	PEANUT	SAFFLOWER	OLIVE	ALL OTHER	TOTAL	PER CAPITA
	MILLION POUNDS												POUNDS
1960	1,915	51	1,966	1,966	887	752	247	28	---	51	1	1,630	9.2
1961	2,124	59	2,183	2,185	1,019	813	210	76	---	59	3	1,661	9.2
1962	2,532	58	2,590	2,591	1,437	817	210	46	6	58	17	2,021	11.0
1963	2,359	33	2,392	2,399	1,317	764	202	55	27	33	1	2,066	11.1
1964	2,846	67	2,913	2,922	1,638	906	241	50	20	67	--	2,249	11.9
1965	2,773	44	2,816	2,824	1,564	915	239	53	9	44	--	2,398	12.5
1966	2,947	49	2,996	3,004	1,860	746	217	115	12	49	5	2,464	12.7
1967	2,922	54	2,976	3,000	1,912	625	231	133	42	54	3	2,474	12.7
1968	2,996	63	3,059	3,063	2,036	541	242	156	22	63	3	2,665	13.5
1969	3,144	58	3,202	3,207	2,244	513	246	124	19	58	2	2,863	14.4
1970	3,389	62	3,451	3,464	2,471	527	246	139	12	62	7	3,125	15.5
1971	3,500	62	3,562	3,589	2,658	442	248	160	11	62	8	3,215	15.7
1972	3,871	67	3,938	3,948	2,985	441	259	148	22	67	26	3,513	17.0
1973	3,893	60	3,953	3,971	2,848	595	286	127	29	60	26	3,737	18.0
1974	4,111	53	4,164	4,165	3,149	545	276	98	17	53	27	3,851	18.4
1975	3,967	48	4,015	4,020	3,032	432	280	100	22	48	105	3,856	18.2
1976	4,343	62	4,405	4,413	3,349	380	204	150	22	62	159	4,243	19.9
1977	4,347	54	4,401	4,370	3,325	399	287	199	24	54	82	4,207	19.4
1978 4/	4,862	62	4,924	4,810	3,825	447	275	146	18	62	37	4,484	20.5
1979													

1/ DATA NOT AVAILABLE PRIOR TO 1959.
2/ INCLUDES SALAD AND COOKING OILS PROCESSED FOR EXPORT.
3/ OLIVE OIL.
4/ PRELIMINARY.

Table 9--Shortening: Supply, disposition, and price, 1960-78

Calendar year	Supply						Disposition			Price per pound
	Production			Imports	Stocks Jan. 1	Total supply	Exports and shipments	Domestic disappearance		All vegetable hydrogenated 3 lb. tins Eastern U.S.
	100 percent vegetable oil	100 percent animal fat or blends	Total					Total	Per capita	
	Million pounds								Pounds	Cents
1960	---	---	2,313	---	115	2,428	31	2,238	12.6	24.8
1961	---	---	2,456	---	120	2,576	2/92	2,311	12.8	27.7
1962	---	---	2,689	---	123	2,812	2/139	2,469	13.4	25.0
1963	---	---	2,584	---	165	2,749	2/66	2,525	13.5	22.3
1964	3/	3/	2,664	---	119	2,783	21	2,598	13.7	22.5
1965	1,852	940	2,792	---	121	2,913	45	2,695	14.1	26.4
1966	2,113	1,068	3,181	---	117	3,298	41	3,079	15.9	27.1
1967	2,077	1,149	3,226	---	119	3,345	39	3,108	15.9	26.5
1968	2,139	1,173	3,312	---	139	3,451	44	3,211	16.3	25.5
1969	2,318	1,163	3,481	---	143	3,624	32	3,398	17.1	25.9
1970	2,411	1,177	3,588	---	139	3,727	37	3,497	17.3	29.4
1971	2,329	1,186	3,515	---	133	3,648	31	3,429	16.8	32.0
1972	2,616	1,115	3,731	---	128	3,859	33	3,650	17.7	31.9
1973	2,680	956	3,636	---	127	3,763	35	3,593	17.3	36.5
1974	2,685	1,018	3,703	---	115	3,818	61	3,571	17.0	56.8
1975	2,839	874	3,713	---	134	3,847	56	3,661	17.3	57.2
1976	3,033	896	3,929	---	125	4,054	65	3,858	18.1	45.9
1977	2,873	968	3,841	---	128	3,969	60	3,796	17.5	54.7
1978 4/	2,939	1,076	4,015	---	113	4,128	49	3,972	18.2	59.3
1979										

1/ Less than 500,000 pounds. 2/ Includes estimates of foreign donations, not reported by Census. 3/ Not reported prior to 1965. 4/ Preliminary.

Table 10--Shortening: Production and fats and oils used in manufacture, 1960-78

Calendar Year	Shortening production	Fats and oils consumed in shortening manufacture								
		Total fats and oils	Edible vegetable oils					Animal fats		
			Soybean	Cottonseed	Palm	Coconut	Total 1/	Lard	Beef fats	Total
	Million pounds									
1960	2,313	2,302	1,169	365	---	11	1,545	480	268	748
1961	2,456	2,459	1,160	356	20	26	1,581	530	348	878
1962	2,889	2,696	1,362	367	16	27	1,787	571	338	909
1963	2,584	2,611	1,228	330	14	19	1,604	594	413	1,007
1964	2,664	2,693	1,388	378	11	18	1,817	446	430	876
1965	2,792	2,768	1,471	403	14	20	1,924	456	388	844
1966	3,181	3,191	1,734	370	38	38	2,209	491	491	982
1967	3,226	3,243	1,741	273	61	40	2,161	576	506	1,082
1968	3,312	3,326	1,842	248	72	41	2,238	601	487	1,088
1969	3,481	3,505	2,101	248	110	46	2,347	475	483	958
1970	3,588	3,604	2,182	276	90	45	2,628	430	546	976
1971	3,515	3,568	2,047	168	171	56	2,473	520	575	1,095
1972	3,731	3,806	2,163	189	5	82	2,755	441	610	1,051
1973	3,636	3,813	2,268	199	333	86	2,936	341	536	877
1974	3,703	3,753	2,177	194	304	61	2,799	317	637	954
1975	3,713	3,893	2,025	154	758	106	3,126	165	602	767
1976	3,929	3,939	2,323	128	532	128	3,161	156	622	778
1977	3,841	3,821	2,279	160	371	78	2,888	185	748	933
1978 2/	4,015	4,025	2,479	188	266	75	3,008	209	808	1,017
1979										

1/ Includes small quantities of peanut oil, corn oil, safflower oil, vegetable stearine and glycerides, not shown separately. 2/ Preliminary.

Table 11--Butter (actual weight): Supply, disposition, and price, 1960-78

Calendar year	Supply						Disposition				Price per pound
	Production			Imports	Stocks Jan. 1 1/	Total supply	Exports and shipments to U.S. territories	Domestic disappearance			Creamery Grade A Chicago
	Creamery	Farm	Total					Total	Civilian	Civilian per capita	
	Million pounds									Pounds	Cents
1960	1,373	63	1,436	3	31	1,470	10	1,382	1,332	7.5	59.0
1961	1,484	52	1,536	2	77	1,615	9	1,381	1,335	7.4	60.5
1962	1,537	42	1,579	2	3/225	1,806	4/42	1,405	1,341	7.3	58.6
1963	1,420	34	1,454	2	3/359	1,815	4/199	1,345	1,281	6.9	58.2
1964	1,442	27	1,469	2	3/271	1,742	4/307	1,364	1,297	6.8	59.1
1965	1,325	21	1,346	2	71	1,419	75	1,292	1,232	6.4	60.2
1966	1,112	16	1,128	2	52	1,182	18	1,132	1,099	5.7	66.6
1967	1,225	13	1,238	2	32	1,272	7	1,096	1,076	5.5	66.7
1968	1,165	10	1,175	2	169	1,346	40	1,189	1,117	5.7	66.9
1969	1,118	8	1,126	2	117	1,245	27	1,130	1,081	5.4	67.6
1970	1,137	6	1,143	2	89	1,234	9	1,106	1,061	5.3	69.4
1971	1,144	---	1,144	2	119	1,265	99	1,069	1,039	5.1	68.4
1972	1,102	---	1,102	2	97	1,201	54	1,040	1,017	4.9	68.6
1973	919	---	919	45	107	1,071	16	1,009	1,000	4.8	69.8
1974	962	---	962	13	46	1,021	7	965	955	4.6	65.7
1975	980	---	980	2	49	1,031	3	1,017	1,008	4.8	79.3
1976	979	---	979	2	11	992	3	942	935	4.4	91.2
1977	1,086	---	1,086	2	47	1,133	4	946	937	4.3	99.0
1978 5/	999	---	999	2/	185	1,184	4	973	968	4.5	107.6
1979					(207)						

1/ Includes stocks held by U.S. Department of Agriculture. 2/ Less than 500,000 pounds. 3/ Includes estimates of butter oil, ghee, and canned butter. 4/ Includes estimates of butter, butter oil, and ghee shipped under Foreign Donations Program. 5/ Preliminary.

TABLE 12.--LARD: SUPPLY, DISPOSITION, AND PRICE, 1960-78

CALENDAR YEAR	SUPPLY						DISPOSITION						PRICE PER POUND
	PRODUCTION				STOCKS JAN. 1	TOTAL 1/	EXPORTS AND SHIPMENTS			DOMESTIC DISAPPEARANCE			LOOSE CHICAGO
	FEDERALLY INSPECTED	OTHER COMMERCIAL	FARM	TOTAL			EXPORTS	SHIPMENTS	TOTAL	TOTAL	DIRECT USE TOTAL	DIRECT USE PER CIVILIAN	
	MILLION POUNDS											POUNDS	CENTS
1960	2,127	292	143	2,562	124	2,686	620	61	681	1,912	1,358	7.6	8.8
1961	2,118	266	130	2,514	94	2,608	417	69	485	2,015	1,393	7.7	9.6
1962	2,104	261	111	2,476	110	2,586	422	66	488	1,970	1,314	7.1	8.7
1963	2,117	256	100	2,473	128	2,601	538	57	594	1,887	1,190	6.4	8.3
1964	2,153	235	85	2,473	119	2,592	682	64	747	1,718	1,193	6.3	9.7
1965	1,772	208	65	2,045	127	2,172	251	75	325	1,785	1,225	6.4	11.7
1966	1,696	202	32	1,929	62	1,991	158	63	220	1,670	1,071	5.5	11.2
1967	1,835	209	32	2,076	100	2,176	189	58	247	1,778	1,055	5.4	7.8
1968	1,862	170	30	2,062	151	2,213	175	58	234	1,886	1,106	5.6	6.2
1969	1,755	124	25	1,904	94	1,998	262	67	329	1,599	1,011	5.1	9.7
1970	1,776	112	25	1,913	70	1,983	366	53	419	1,482	939	4.7	11.6
1971	1,830	106	24	1,960	82	2,042	282	62	344	1,598	880	4.3	10.8
1972	1,464	76	18	1.550	100	1,658	164	25	189	1,418	787	3.8	10.4
1973	1,181	55	18	1,254	61	1,305	113	8	121	1,140	705	3.4	19.8
1974	1,286	58	22	1.366	44	1,410	161	21	182	1,192	681	3.2	28.5
1975	956	39	17	1,012	36	1,048	88	56	144	876	615	3.0	30.9
1976	1,010	33	17	1,060	28	1,088	181	54	235	819	568	2.7	17.8
1977	1,022	3/	16	1,038	34	1,072	182	47	229	814	495	2.3	21.3
1978 2/	991	3/	15	1,006	29	1,035	120	37	157	840	482	2.2	23.2

1/ INCLUDES IMPORTS, WHICH WERE LESS THAN 500,000 POUNDS IN ALL YEARS.
2/ PRELIMINARY
3/ INCLUDED IN F.I.

TABLE 13. --MARGARINE (ACTUAL WEIGHT): SUPPLY, DISPOSITION, AND PRICE, 1960-78

CALENDAR YEAR	SUPPLY						DISPOSITION				PRICE PER POUND
	PRODUCTION				STOCKS JAN. 1	TOTAL	EXPORTS AND SHIPMENTS	DOMESTIC DISAPPEARANCE			COLORED, DELIVERED EASTERN UNITED STATES
	ONE POUND UNIT SOFT	ONE POUND UNIT TOTAL	ALL OTHER UNITS	TOTAL				MILITARY	CIVILIAN TOTAL	CIVILIAN PER CAPITA	
	MILLION POUNDS									POUNDS	CENTS
1960	---	1,556	139	1,695	34	1,729	10	11	1,676	9.4	23.8
1961	---	1,583	141	1,724	33	1,756	8	7	1,708	9.4	26.8
1962	---	1,578	148	1,726	33	1,759	9	2	1,709	9.3	25.6
1963	---	1,632	162	1,794	39	1,833	9	2	1,785	9.6	23.8
1964	---	1,679	178	1,857	36	1,893	9	2	1,836	9.7	24.1
1965	---	1,726	178	1,904	48	1,952	8	11	1,891	9.9	26.1
1966	---	1,882	228	2,110	42	2,152	14	46	2,038	10.5	26.6
1967	---	1,859	255	2,114	53	2,167	15	47	2,046	10.5	25.7
1968	282	1,898	243	2,141	60	2,201	10	12	2,130	10.8	25.6
1969	356	1,945	237	2,182	49	2,231	12	13	2,154	10.8	26.0
1970	422	1,975	255	2,230	52	2,282	13	2	2,223	11.0	28.9
1971	481	1,999	291	2,290	46	2,336	13	1	2,264	11.1	30.8
1972	542	2,061	303	2,364	57	2,421	13	1	2,338	11.3	31.3
1973	622	2,099	260	2,359	69	2,428	13	4	2,350	11.3	34.0
1974	610	2,114	284	2,398	61	2,459	15	9	2,370	11.3	51.2
1975	511	2,070	329	2,399	64	2,463	17	11	2,375	11.2	52.5
1976	582	2,262	366	2,628	60	2,688	20	6	2,595	12.2	44.3
1977	630	2,235	300	2,535	80	2,615	20	7	2,508	11.6	47.7
1978 1/	530	1,500	1,020	2,520	80	2,600	31	5	2,494	11.4	52.9

1/ PRELIMINARY.

TABLE 14.--MARGARINE: PRODUCTION, FATS AND OILS USED IN MANUFACTURE, AND DOMESTIC CONSUMPTION, 1960-78

CALENDAR YEAR	MARGARINE PRODUCTION (ACTUAL WEIGHT)	FATS AND OILS CONSUMED IN MARGARINE MANUFACTURE								
		TOTAL	EDIBLE VEGETABLE OILS					ANIMAL FATS		
			SOYBEAN	COTTONSEED	CORN	SAFFLOWER	TOTAL 1/	LARD	BEEF FATS	TOTAL
	MILLION POUNDS									
1960	1,695	1,367	1,105	136	55	---	1,305	56	6	62
1961	1,724	1,386	1,062	139	89	---	1,308	71	6	78
1962	1,726	1,394	1,058	106	99	---	1,314	70	10	80
1963	1,794	1,451	1,049	104	136	22	1,356	84	11	95
1964	1,857	1,500	1,139	101	150	12	1,411	64	25	89
1965	1,904	1,535	1,112	114	161	20	1,436	90	9	99
1966	2,110	1,710	1,294	106	157	46	1,623	82	5	87
1967	2,114	1,703	1,249	78	176	42	1,568	125	10	135
1968	2,141	1,720	1,240	70	179	42	1,552	153	15	168
1969	2,182	1,743	1,332	75	172	44	1,644	86	13	99
1970	2,230	1,784	1,410	68	185	22	1,685	90	9	99
1971	2,290	1,831	1,385	63	186	19	1,662	159	10	169
1972	2,364	1,886	1,461	65	194	20	1,748	128	10	138
1973	2,359	1,891	1,491	63	213	32	1,811	72	8	80
1974	2,398	1,904	1,457	58	188	16	1,737	160	7	167
1975	2,399	1,920	1,568	46	188	7	1,868	45	7	52
1976	2,628	2,094	1,671	51	218	10	2,050	37	7	44
1977	2,535	1,960	1,585	44	243	8	1,880	73	7	80
1978 2/	2,520	1,930	1,593	42	211	10	1,856	6B	6	74

1/ INCLUDES SMALL QUANTITIES OF PEANUT OIL, COCONUT OIL, PALM OIL, AND VEGETABLE STEARINE THAT ARE NOT SHOWN SEPARATELY.
2/ PRELIMINARY.

TABLE 15--WHOLESALE PRICE PER POUND FOR FATS AND OILS, BY MONTHS

ITEM	1978	1979				
	DEC	JAN	FEB	MAR	APR	MAY
	CENTS					
BUTTER, CREAMERY, GRADE A, (92- AND 93-SCORE) BULK, NEW YORK	129.4	128.7	116.1	119.1	125.5	125.4
BUTTER, CREAMERY, GRADE A, (92-SCORE) BULK, CHICAGO	119.1	111.0	110.0	118.0	120.0	120.0
CASTOR OIL, NO.1, BRAZILIAN, TANKS, IMPORTED, NEW YORK	37.9	37.9	37.9	37.9	37.8	37.8
COCONUT OIL, CRUDE, TANK CARS, PACIFIC COAST 1/	42.6	46.3	47.2	47.0	49.9	53.2
COCONUT OIL, CRUDE, TANKS, F.O.B., NEW YORK	43.6	47.1	47.5	47.9	51.3	54.1
COD OIL, BULK, F.O.B., GLOUCESTER, MASSACHUSETTS	23.5	23.5	23.5	23.5	23.5	23.5
CODLIVER OIL, NF, DRUMS, NEW YORK	69.0	69.0	69.0	69.0	69.0	69.0
CORN OIL, CRUDE, TANK CARS, F.O.B., DECATUR	31.0	35.0	34.0	33.3	32.1	33.0
CORN OIL, REFINED, TANKS, NEW YORK	---	39.8	38.9	40.1	37.7	37.6
COTTONSEED OIL, CRUDE, TANK CARS, F.O.B., SOUTHEAST MILLS	27.5	27.3	32.0	32.5	32.0	32.0
COTTONSEED OIL, CRUDE, TANK CARS, F.O.B., VALLEY	28.2	28.3	32.1	33.8	33.1	---
COTTONSEED OIL, REFINED, TANKS, NEW YORK	34.1	33.9	37.5	39.8	39.8	38.1
DEGRAS, LINOLIN TECHNICAL, DRUMS, NEW YORK	64.0	64.0	64.0	64.0	64.0	64.0
FISH OIL, REFINED, ALKALI, TANKS, NEW YORK	27.0	27.0	27.0	27.0	27.0	27.0
GLYCERINE, SYNTHETIC, REFINED, 99.5 PERCENT, TANKS, DELIVERED, NEW YORK	50.3	50.0	49.9	50.3	50.3	50.3
GLYCERINE, NATURAL, REFINED, U.S.P., 99 PERCENT, TANKS, DELIVERED, NEW YORK	48.5	48.5	48.6	48.6	48.6	48.6
GREASE, A WHITE, TANK CARS, DELIVERED, CHICAGO	19.4	22.4	21.6	23.5	23.5	23.5
GREASE, B WHITE, DELIVERED, CHICAGO	18.6	19.4	19.3	21.9	23.8	23.9
GREASE, YELLOW, DELIVERED, CHICAGO	17.5	18.1	18.6	20.4	24.0	21.4
GREASE, WHITE, CHOICE, TANKS, NEW YORK	19.8	20.5	21.4	25.0	25.2	24.3
LARD OIL, EXTRA NO. 1, DRUMS, CHICAGO	27.0	27.0	27.0	27.0	38.5	38.5
LARD, LOOSE, TANK CARS, CHICAGO	23.3	24.5	24.0	25.1	29.8	26.8
LARD, PRIME STEAM, TIERCES, CHICAGO	23.3	24.5	24.7	25.4	25.4	25.4
LARD, REFINED, 1 AND 2-POUND PRINTS, CHICAGO	37.3	39.5	38.8	39.5	44.0	41.3
LECITHIN, EDIBLE, TECHNICAL, BLEACHED, DRUMS, WORKS	29.5	29.5	29.5	29.5	29.5	29.5
LINSEED OIL, RAW, TANK CARS, MINNEAPOLIS	24.0	24.0	24.0	24.0	24.0	30.0
LINSEED OIL, RAW, TANKS, NEW YORK	26.5	26.5	26.5	28.5	30.5	32.1
MARGARINE, COLORED, DELIVERED, EASTERN UNITED STATES	52.8	53.3	52.3	53.5	55.1	54.6
MARGARINE, YELLOW, QUARTERS, F.O.B., CHICAGO	39.6	40.3	41.3	42.3	41.4	---
MARGARINE, WHITE, DOMESTIC VEGETABLE, CHICAGO	46.5	48.4	49.7	50.5	49.8	---
MENHADEN OIL, CRUDE, TANKS, F.O.B., BALTIMORE	15.0	15.0	15.0	15.0	24.0	25.5
MENHADEN OIL, LIGHT PRESSED, TANKS, NEW YORK	---	---	---	---	---	---
OITICICA OIL, DRUMS, F.O.B., NEW YORK	76.5	67.5	60.5	60.5	60.5	60.5
OITICICA OIL, TANKS, NEW YORK	69.0	61.8	56.0	56.0	56.0	56.0
OLIVE OIL, IMPORTED, EDIBLE, DRUMS, NEW YORK	83.3	83.3	83.3	83.3	83.3	83.3
PALM KERNEL OIL, CIF, BULK, U.S. PORTS	36.9	36.9	36.9	36.9	36.9	36.9
PALM OIL, CIF, BULK, U.S. PORTS	31.0	31.7	32.8	31.1	31.2	31.5
PEANUT OIL, CRUDE, TANK CARS, F.O.B., SOUTHEAST MILLS	46.0	51.0	47.4	45.5	47.8	48.6
PEANUT OIL, REFINED, TANKS, NEW YORK	52.9	51.5	47.4	---	---	---
RAPESEED OIL, REFINED, DENATURED, TANKS, NEW YORK	39.0	39.0	39.0	39.0	39.0	39.0
SAFFLOWER OIL, TANKS, NEW YORK	41.0	41.0	41.0	41.0	41.0	41.0
SAFFLOWER OIL, EDIBLE, DRUMS, NEW YORK	52.0	52.0	52.0	52.0	52.0	52.0
SESAME OIL, REFINED, DRUMS, NEW YORK	87.5	120.0	123.0	126.0	126.0	126.0
SHORTENING, ALL VEGETABLE, HYDROGENATED, 440-POUND DRUMS, NEW YORK	41.3	40.0	43.8	42.3	42.8	41.3
SOYBEAN OIL, CRUDE, TANK CARS, F.O.B., DECATUR	25.3	25.8	27.3	26.9	26.7	27.8
SOYBEAN OIL, REFINED, TANKS, NEW YORK	33.0	30.8	32.7	33.0	31.8	31.6
TALL OIL, CRUDE, TANKS, WORKS	7.5	7.8	7.8	7.8	7.8	7.8
TALLOW, EDIBLE, LOOSE, CHICAGO	23.8	24.5	23.5	26.0	30.0	29.0
TALLOW, INEDIBLE, PACKERS' PRIME, C.A.F., DELIVERED, CHICAGO	18.8	19.8	20.8	22.9	24.8	---
TALLOW, INEDIBLE, BLEACHABLE FANCY, DELIVERED, CHICAGO	20.3	21.9	22.8	25.6	26.2	---
TALLOW, INEDIBLE, NO. 1, DELIVERED, CHICAGO	17.5	19.4	19.0	21.4	22.6	---
TUNG OIL, IMPORTED, DRUMS, F.O.B., NEW YORK	66.4	68.9	68.9	68.5	68.5	68.5
TUNG OIL, IMPORTED, TANKS, NEW YORK	118.5	118.5	118.5	118.5	118.5	118.5

1/ INCLUDES 1 CENT IMPORT DUTY.

TABLE 16 ---INDEX NUMBERS OF WHOLESALE PRICES OF FATS AND OILS, BY MONTHS, 1967 = 100

ITEM	1978 SEP	1978 OCT	1978 NOV	1978 DEC	1979 JAN	1979 FEB	1979 MAR	1979 APR	1979 MAY
WHOLESALE									
ALL FATS AND OILS	321	309	310	298	299	311	325	367	341
ALL FATS AND OILS, EXCEPT BUTTER	374	358	359	343	299	311	389	431	398
GROUP BY ORIGIN:									
ANIMAL FATS	272	262	267	253	252	279	274	318	290
VEGETABLE OILS, DOMESTIC	224	214	198	204	207	221	220	221	215
VEGETABLE OILS, FOREIGN	305	313	328	314	343	354	355	370	397
GROUP BY USE:									
BUTTER	175	176	184	184	191	227	174	181	182
LARD	333	314	314	298	301	307	322	381	343
LARD, REFINED	283	272	291	274	278	285	291	324	304
FOOD FATS OTHER THAN BUTTER	257	243	239	231	294	301	249	285	262
FOOD FATS OTHER THAN BUTTER AND LARD	249	239	225	229	165	159	165	252	248
ALL EDIBLE FATS AND OILS	233	223	221	214	215	220	228	257	239
SOAP FATS	348	349	373	342	345	379	412	466	434
DRYING OILS	185	184	180	181	191	227	204	211	213
OTHER INDUSTRIAL	335	328	322	386	316	309	297	279	276
ALL INDUSTRIAL	320	321	340	315	318	348	376	422	396
CRUDE	243	233	219	223	229	242	241	242	239
EDIBLE VEGETABLE OILS, GROUPED BY DEGREE OF PROCESSING:									
END PRODUCTS	253	232	232	223	225	241	240	242	239
REFINED	213	212	210	212	211	214	215	221	219
MARGARINE	204	203	208	206	204	204	209	215	213
SHORTENING, 3-POUND TIN	233	233	233	233	233	233	241	250	250
SHORTENING, 440-POUND DRUM	208	202	193	199	199	211	204	206	199

SOURCE: ALL INDEXES EXCEPT "OTHER INDUSTRIAL" FROM BUREAU OF LABOR STATISTICS.

TABLE 17--PRICES RECEIVED BY FARMERS AND PRICES AT TERMINAL MARKETS FOR SPECIFIED OIL-BEARING MATERIALS AND OILMEALS, BY MONTHS

ITEM	UNIT	1978 DEC	1979 JAN	1979 FEB	1979 MAR	1979 APR	1979 MAY
OILSEEDS							
COTTONSEED, UNITED STATES AVERAGE	SHORT TON	115.00	121.00	120.00	---	---	---
FLAXSEED, NO. 1, MINNEAPOLIS	BUSHEL	5.75	6.17	6.63	7.22	7.54	7.51
FLAXSEED, UNITED STATES AVERAGE	BUSHEL	5.26	5.64	6.00	6.48	7.06	7.37
PEANUTS, UNITED STATES AVERAGE (FARMERS' STOCK)	100 LB.	21.10	20.30	---	---	---	---
PEANUTS, VIRGINIA NO. 1, SHELLED, VIRGINIA-NORTH CAROLINA 1/	100 LB.	31.83	32.12	31.83	33.25	34.12	34.80
PEANUTS, RUNNERS NO. 1, SHELLED, SOUTHEAST 1/	100 LB.	---	---	---	33.25	33.51	34.00
PEANUTS, SPANISH NO. 1, SHELLED, SOUTHEAST 1/	100 LB.	38.50	38.50	38.50	38.50	38.35	38.32
PEANUTS, SPANISH NO. 1, SHELLED, SOUTHWEST 1/	100 LB.	38.50	38.50	38.50	38.50	42.00	42.00
SOYBEANS, NO. 1, YELLOW, CHICAGO	BUSHEL	6.79	6.85	7.28	7.47	7.30	7.16
SOYBEANS, NO. 1, YELLOW, ILLINOIS COUNTRY SHIPPING POINTS	BUSHEL	6.91	6.89	7.28	7.45	7.27	7.21
SOYBEANS, UNITED STATES AVERAGE	BUSHEL	6.49	6.58	6.99	7.15	7.06	7.06
OILMEALS (BULK)							
COTTONSEED MEAL, 41 PERCENT PROTEIN, MEMPHIS	SHORT TON	167.50	169.50	161.90	156.90	141.25	143.00
COTTONSEED MEAL, 41 PERCENT PROTEIN, ATLANTA	SHORT TON	183.90	189.20	178.50	172.20	183.60	160.00
COTTONSEED MEAL, 41 PERCENT PROTEIN, FORT WORTH	SHORT TON	178.10	182.10	178.20	168.40	147.10	142.50
FISH MEAL, 65 PERCENT PROTEIN, BAGGED, EAST COAST	SHORT TON	395.00	392.00	387.50	400.00	406.25	392.00
FISH MEAL, 65 PERCENT PROTEIN, BULK, LOS ANGELES	SHORT TON	367.25	---	---	---	---	416.00
LINSEED MEAL, 34 PERCENT PROTEIN, MINNEAPOLIS	SHORT TON	158.75	153.00	148.50	142.75	140.50	136.00
PEANUT MEAL, 50 PERCENT PROTEIN, F.O.B. SOUTHEASTERN MILLS	SHORT TON	---	197.50	185.60	188.00	189.00	190.00
SAFFLOWER MEAL, 20 PERCENT SOLVENT, SAN FRANCISCO	SHORT TON	92.50	93.00	91.00	85.00	82.75	82.00
SOYBEAN MEAL, 44 PERCENT PROTEIN, CHICAGO	SHORT TON	200.40	196.50	202.40	206.20	202.80	199.70
SOYBEAN MEAL, 44 PERCENT PROTEIN, DECATUR	SHORT TON	188.75	184.90	190.90	194.50	191.10	188.00
SOYBEAN MEAL, 44 PERCENT PROTEIN, ATLANTA	SHORT TON	202.20	199.50	207.00	206.20	209.10	209.40
SOYBEAN MEAL, 44 PERCENT PROTEIN, MEMPHIS	SHORT TON	194.40	191.40	198.00	202.75	199.10	194.40
SOYBEAN MEAL, 49-50 PERCENT PROTEIN, DECATUR	SHORT TON	204.50	200.60	206.60	210.50	207.10	205.00
SOYBEAN MEAL, 49-50 PERCENT PROTEIN, MEMPHIS	SHORT TON	215.70	211.50	217.25	221.75	219.10	216.40
SOYBEAN MEAL, 49-50 PERCENT PROTEIN, ATLANTA	SHORT TON	217.20	214.50	222.00	220.90	223.90	224.40
OTHER FEEDS							
CORN GLUTEN MEAL, 60 PERCENT PROTEIN, CHICAGO	SHORT TON	243.75	252.60	271.90	270.50	270.00	234.00
MEAT AND BONE MEAL, 50 PERCENT PROTEIN, CHICAGO	SHORT TON	223.10	225.00	266.90	258.75	245.60	229.50
UREA, 45 PERCENT N., FEED GRADE, BULK, OLVO EAST	SHORT TON	167.50	167.50	167.50	167.50	167.50	167.50

1/ THIS PRICE APPLIES TO PEANUTS FOR EDIBLE USES.

SOURCES: COMPILED FROM CHEMICAL MARKET REPORTER, WALL STREET JOURNAL, FEEDSTUFFS, REPORTS OF THE ESCS, STATISTICS AND AGRICULTURAL MARKETING SERVICE.

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